

NASA CONTRACTOR
REPORT

NASA CR-61257,

January 1969

NASA CR-61257

PREDICTION OF THE MAXIMUM WIND SPEED IN THE
10-15 KM LAYER ABOVE CAPE KENNEDY

Prepared under NASA Government Order No. 76789 by
H. L. Crutcher, J. A. Almazan, and Frank T. Quinlan

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

FACILITY FORM 602

N70-31936	(ACCESSION NUMBER)	(THRU)
300	(PAGES)	(CODE)
CR-61257	(NASA CR OR TMX OR AD NUMBER)	20
		(CATEGORY)



For

NASA-GEORGE C. MARSHALL SPACE FLIGHT CENTER
Marshall Space Flight Center, Alabama

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January 1969

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ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
Environmental Data Service
National Weather Records Center
Asheville, North Carolina

Contract Monitors: O. E. Smith and S. C. Brown
Aerospace Environment Division
Aero-Astroynamics Laboratory

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ABSTRACT

Tables are presented for the prediction of the maximum wind speed in the 10-15 km. layer above Cape Kennedy, Florida. These tables contain conditional probabilities based on eight years of data. The tables are presented by month. These permit the selection of probabilities that the maximum wind speed will be above (or below) a selected criterion for a specified period of time provided that the maximum speeds have been above (or below) the same speed criterion or certain periods of time.

Here, no attempt is made to place bounds of confidence on the probabilities. This will be done in a subsequent study.

PREDICTION OF THE MAXIMUM WIND SPEED
IN THE 10-15 KM. LAYER ABOVE CAPE KENNEDY

I. Introduction

The atmospheric circulation wind fields at times present formidable hazards to the launching of space vehicles. In a macroscopic sense, the atmospheric flow through which a vehicle passes may be relatively smooth, yet the shear from one level to another may be such as to affect adversely the vehicle's passage.

This study presents the prediction of only one feature of the wind field, namely, the maximum wind in the space vehicular dynamic pressure region which is considered to be between 10 and 15 km. over Cape Kennedy, Florida.

The National Aeronautics and Space Administration, Marshall Space Flight Center, R-AERO-YT, Huntsville, Alabama (NASA-MSFC-R-AERO-YT) in cooperation with the Environmental Science Services Administration, Environmental Data Service, National Weather Records Center, Asheville, North Carolina (ESSA-EDS-NWRC) is developing prediction procedures for features of the wind distributions at Cape Kennedy, Florida.

II. Objective

Acceptable predictions of the maximum wind speed in the maximum dynamic pressure region for space vehicles over Cape Kennedy, Florida, are to be sought for 12-hour increments out to 120 hours.

Usable information for planning would be the answer to the question

as to the chances that the wind speed remain below (or above) a certain wind speed for a certain number of time periods when it has been below (or above) that wind speed for a specified number of time periods. The time periods are 12-hour (or half-day) intervals.

III. Data Source

The National Weather Records Center (NWRC) in Asheville, North Carolina, stores all meteorological data of the Environmental Science Services Administration (ESSA), Air Force and Navy. In addition to the winds aloft data available in punched card decks, some decks contain pressure, winds, temperature, moisture measurements and computed heights at specified pressure levels. Here, these are thermodynamic data. The development of prediction techniques requires, in many instances, sets of data which are serially complete.

The only deck or set of serially complete wind data is Card Deck 600 produced by the ESSA, NWRC, for NASA, MSFC and NASA, Langley. These contain wind data, direction and speed in mps, for 1 km. intervals from the surface to 27 km. These serially complete wind data are for Cape Kennedy, Florida; Washington, D. C.; Wallops Island, Virginia; Norfolk, Virginia; and Santa Monica, California. Eight years of data for Cape Kennedy were available when this study was initiated. The periods for the other stations vary from one year to ten. The Cape Kennedy, Florida, serially complete record now available is ten years, 1956-1965. These same data are available on magnetic tape.

Reference manuals are available at the ESSA, EDS, NWRC, which describe

the various sets of data. For a portion of the eight years mentioned above, four observations per day are available. Only two observations per day are used in this study. These are the 0000 (or 0300Z) and the 1200Z (or 1500Z) observations. The time intervals are 12 hours.

Data limitations are severe due to the small sample size of eight. The confidence bands are rather broad. Increase of the data base from 8 to 12 will narrow the confidence bands in the ratio of the square root of $8/12$ or to approximately 0.82 of the original width. Sixteen years of data will double the data base and decrease the imprecision, i.e., the confidence bands, to 0.71 of the original width. Either of these is a substantial increase in precision. This study presents only the conditional probabilities as best estimates without any attempt to present the precision of the estimates.

IV. Procedures

The data are available only for 12-hour (--one-half day--) intervals. Each datum, for purposes of this study, represents the 12-hour interval extending from one observation to the next.

First, for example, select a threshold wind speed, such as 50 mps. Consider speeds equal to or greater than 50 mps.

Second, initiate a simple counting process to determine the sequences of wind speeds equal to or greater than 50 mps. Order the sequence lengths and indicate their frequencies.

Third, determine from the above sequence lengths and their frequencies,

the frequencies of a second set of sequences which consist of extensions beyond already observed lengths.

Fourth, reduce these frequencies to empirical probabilities and present in tabular form. Considerations presented by Hald (1952) serve as the basis for the use of empirical probabilities as theoretical probabilities.

Fifth, repeat these procedures for

- a. A threshold speed of 50 mps, but
- b. Consider speeds below 50 mps.

Appendix A contains all tables computed for the maximum wind speeds equal to or greater than specified criteria. The criteria are given in 5 mps increments from the lowest available to the highest available in each month. Appendix B contains all tables for maximum wind speeds less than the specified criteria. These are monthly tables. For tabular identification in the appendices, either A or B is followed immediately by two digits. The two digits represent the month. January is 01 while December is 12. The next three digits represent the speed criterion in mps. Three coding digits are required because some maximum wind speeds exceed 100 mps.

For purposes of illustration the table for the conditional probabilities of the January maximum wind speeds equal to or greater than 50 mps has the table identification Table A.01.050. Eight Januaries, each with 62 observations, were available.

The following information and formulae represent the above statements.

Cape Kennedy, Florida

Month: 01 denotes all Januaries, 02 all Februaries, etc.

$W \geq W^*$ or $W < W^*$: W is the recorded maximum wind. W^* is the wind speed criterion in mps.

N : Total number of observations in the period month.
Also the number of possible outcomes.

i : Number of 12-hour periods in lag (run): length of period.

N_{r_i} : Number of runs of exact length i . Maximum number is 62 or 2×31 .

N_i : Number of runs equal to or greater than length i .

j : Number of periods to be added to i . In the tables, the " j " values will be on diagonal lines parallel to the diagonal values of 1.00 probability which is the " j " = 0 line.

P_i : $\frac{N_i}{N}$, the probability that a run of length i will occur.

P_c : $P(i, i+j)$, conditional probability.

$$: \frac{P_{i+j}}{P_i} = \frac{N_{i+j}}{N_i}$$

*: The asterisk is used whenever the empirical probability $\frac{N_{i+j}}{N_i}$ is greater than zero but less than 0.005.

The conditional probability matrices of the tables present the probability of sequences of any length "i" with "j" extensions. The first diagonal presents the probability of 1.00 of any "i" with "j" = 0. This value of 1.00 is at the right-hand end of each horizontal line. The other "j" values are in order from top to bottom. In effect, the "j" = 1 value falls on the diagonal immediately below the 1.00 probability diagonal of "j" = 0.

Physical limitation of page size requires truncation of "j" values at "i" = 29. This truncation is such that at "i" = 62 only the conditional probabilities of the sequence from some interval up to 62 time periods can be shown. Thus, in these tables the longest initial period that can be used is 29 12-hour periods or 14 and one-half days.

In Appendices A and B a few tables consist mainly of zero conditional probabilities. Inclusion of these cause some format problems.

An example of extraction of information at this point helps to clarify the foregoing statements. In the copy of Table A.01.050 consider as the first example the case where the maximum wind speeds have equalled or exceeded 50 mps 10 one-half day periods or 5 days. What is the probability that the maximum wind speeds will continue to exceed 50 mps for 10 half-day periods or 5 days? On this Table A.01.050, Step No. 1, proceed downward along the "i" column, as indicated by the solid arrow, to the number 10. In Step No. 2 move horizontally to the column of probabilities, j = 0 where the probability is 1.00. In Step No. 3 move downwards to the 11th "j" diagonal which will be 11 numbers (10+1) downwards.

This will include the " j " = 0 value of 1.00 as the first number. The probability is 0.66 or two chances in three that the maximum wind speed equal to or greater than 50 mps will continue for five days more if it already has continued for 5 days.

VI. Discussion

The conditional probabilities here are not the final answer. They present the picture of the 1956-1963 data whose empirical probabilities may be used as a guide for the future. The use of an additional four or more years of data, when available, will increase the precision (decrease the imprecision) of these probability estimates.

There are other features of the problem of the prediction of the maximum wind in the 10-15 km. layer over Cape Kennedy, Florida, which are worthy of investigation. Such studies will supplement the present study. One such study is now underway. This study, on the application of Markov (transition) matrices, will serve to still further exploit the information contained in the Cape Kennedy upper wind data. After that, the techniques can be extended in space in addition to the present studies in time.

It will be noted from an examination of the tabular data along the diagonals that the values may rise to a maximum value and then fall. This may result from groups of periodicities in the data which are more or less permanent or it may result from the periodicities prevalent during the period of record 1956-1963. Usually, thirty years of data are required for stability. If a period of data is an inadequate sample, doubling the

period of record usually will detect a significant change in the statistics. Such a change, if highly significant, usually will be noted when the period of record is increased by fifty percent. In this case, if the eight years of data are not adequate, twelve, and most surely sixteen years of data, will detect the change.

VII. Verification

Three independent tests of these conditional probability tables have been made. Obviously, as there are many tables, each could be tested several times. Here, the predictions have been made when the sequence of observations falls into one of two categories: (1) either below, or (2) equal to or greater than a specified speed. The tests have been made for intervals extending over twelve 12-hour time periods or six days. Table 1 shows the results of these tests for dates selected at random from January data during 1964, 1965 and 1966.

For each random date and for a specified criterion the wind speeds were tabulated for sequences prior to and after the random date where the speeds were all above or all below the specified criterion. From the appropriate conditional probability table then, the probability of continuance of the sequence after the random date for periods up to 12 periods given in the prior conditions was made. If the probability was greater than 0.50, the forecast was yes. Hits and misses were then changed into percent success.

Fifteen forecasts were made for the occurrence of maximum wind speeds equal to or greater than 50 mps preceding, during, and following an obser-

Table 1. Test results in percentages for hits in prediction of the Cape Kennedy, Florida, maximum winds in the 10-15 km. layer during January. The conditional probability tables of Appendices A and B were used.

- (1) maximum wind speeds equal to or greater than 50 mps before, during and after a specified observation.
- (2) maximum wind speeds less than 50 mps before, during and after a specified observation.
- (3) maximum wind speeds equal to or greater than the wind speed before, during and after a specified observation.

12-Hour Time Periods														
	1	2	3	4	5	6	7	8	9	10	11	12	No. of Forecasts	
10	(1)	0.86	0.80	0.73	0.47	0.40	0.40	0.73	0.84	0.80	0.80	0.87	0.87	15
	(2)	0.65	0.57	0.36	0.29	0.29	0.36	0.36	0.43	0.43	0.43	0.50	0.50	14
	(3)	0.70	0.80	0.80	0.80	0.60	0.60	0.80	0.80	0.90	0.80	0.80	0.70	10

vation time. Fourteen forecasts were made for the occurrence of maximum wind speeds less than 50 mps preceding, during and following an observation time. Ten forecasts were made for the wind speed equal to or greater than a speed of an observation selected at random, preceding, during and after the observation time.

Examination of Table A.01.050 indicates that the median wind speed is about 50 mps, i.e., the probability of obtaining a wind speed equal to or greater than 50 mps is 0.504. This is shown in the top of the column, P_i , the fifth column. Please note that when the wind speed is equal to or greater than 50 mps, that the chances decrease from 9 in 10, to 8 in 10, to 7 in 10 before dropping to 5 in 10 at the end of the second day. For the prediction of wind speeds below 50 mps this table provides an advantage only for 24 hours.

Speed criteria other than the 50 mps criterion may selected. Table 1 indicates from the one random sample that decisions based on any January criterion have a probability about 0.80 to verify. The lower scores for the 50 mps criterion may be attributed to the fact that the median speed is 50 mps in January.

VIII. Acknowledgments

Acknowledgment is made to Mr. Dave Matthews for help in computing, to Mr. Ray Crane for final preparation of the tables in the appendices, and to Mrs. Margaret Larabee for typing. Appreciation is expressed to reviewers who made cogent suggestions for the reduction of the text material.

PREDICTION OF MAXIMUM WIND

CAPE KENNEDY, FLORIDA

(Appendix A).

CONDITIONAL PROBABILITIES

Prediction of Maximum Wind - Cape Kennedy, Florida

Part I: Conditional Probabilities

These tables are based on serially completed maximum wind data at the 10-15 km region over Cape Kennedy, Florida. Two observations per day were used in this study for the period January 1, 1956 through December 31, 1963.

Tables:

Station 12861: Cape Kennedy, Florida

Month: 01 denotes all Januaries, 02 all Februaries, etc

Speed less than W^* or Speed equal to or greater than W^* : Criteria, W^* is the wind speed in meters per second.

Total Observations: Number of observations in period month.

i : Number of 12-hour periods in lag (run); length of period.

N_i : Number of runs of exact length i ; maximum number used in this study is 62.

N_i^* : Number of occurrences of runs equal to or greater than i .

N : Number of possible outcomes.

j : number of periods (added).

$P_i = \frac{N_i}{N}$, the probability that run of length i will occur.

$P_c = P(i, i + j)$, conditional probability

$$= \frac{P_i + j}{P_i} = \frac{N_i + j}{N_i}$$

NOTE: Values shown as "+" denotes values less than 0.005 but greater than 0.000.

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Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956--1963.

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Table A.01.040				Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in January.	
The period of record is 1956-1963.					
i	N _{ri}	N _i	N	P _i	P _c
1	6	392	496	.793	1.0
2	3	362	496	.730	.92 1.0
3	2	338	496	.681	.86 .93 1.0
4	3	317	496	.639	.81 .88 .94 1.0
5	0	298	496	.601	.76 .82 .88 .94 1.0
6	3	282	496	.569	.72 .78 .83 .89 .95 1.0
7	1	266	496	.535	.68 .73 .79 .84 .89 .94 1.0
8	3	253	496	.510	.65 .70 .75 .80 .85 .90 .95 1.0
9	1	241	496	.485	.61 .67 .71 .76 .81 .85 .91 .95 1.0
10	0	232	496	.468	.59 .64 .69 .73 .78 .82 .87 .92 .96 1.0
11	0	224	496	.452	.57 .62 .65 .71 .75 .79 .84 .89 .93 .97 1.0
12	1	216	496	.435	.55 .60 .64 .68 .72 .77 .81 .85 .90 .93 .96 1.0
13	1	208	496	.419	.53 .57 .62 .66 .70 .74 .78 .82 .86 .90 .93 .96 1.0
14	0	201	496	.405	.51 .56 .59 .63 .67 .71 .76 .79 .83 .87 .90 .93 .97 1.0
15	0	195	496	.393	.50 .54 .58 .62 .65 .69 .73 .77 .81 .84 .87 .90 .94 .97 1.0
16	0	189	496	.381	.48 .52 .56 .60 .63 .67 .71 .75 .78 .81 .84 .88 .91 .94 .97 1.0
17	0	183	496	.369	.47 .51 .54 .58 .61 .65 .69 .72 .76 .79 .82 .85 .88 .91 .94 .97 1.0
18	0	177	496	.357	.45 .49 .52 .56 .59 .63 .67 .70 .73 .76 .79 .82 .85 .88 .91 .94 .97 1.0
19	0	171	496	.345	.44 .47 .51 .54 .57 .61 .64 .68 .71 .74 .76 .79 .82 .85 .88 .90 .93 .97 1.0
20	1	164	496	.331	.42 .45 .49 .52 .55 .58 .62 .65 .68 .71 .73 .76 .79 .82 .84 .87 .90 .93 .96 1.0
21	1	157	496	.317	.40 .43 .46 .50 .53 .56 .59 .62 .65 .68 .70 .73 .75 .78 .81 .83 .86 .89 .92 .96 1.0
22	0	151	496	.304	.39 .42 .45 .48 .51 .54 .57 .60 .63 .65 .67 .70 .73 .75 .77 .80 .83 .85 .88 .92 .96 1.0
23	0	146	496	.294	.37 .40 .43 .46 .49 .52 .55 .58 .61 .63 .65 .68 .70 .73 .75 .77 .80 .82 .85 .89 .93 .97 1.0
24	0	141	496	.284	.36 .39 .42 .44 .47 .50 .53 .56 .59 .61 .63 .65 .68 .70 .72 .75 .77 .80 .82 .86 .90 .93 .97 1.0
25	0	135	496	.272	.34 .37 .40 .43 .45 .48 .51 .53 .56 .58 .60 .63 .65 .67 .69 .71 .74 .76 .79 .82 .86 .89 .92 .96 1.0
26	1	129	496	.260	.33 .36 .38 .41 .43 .46 .48 .51 .54 .56 .58 .60 .62 .64 .66 .68 .70 .73 .75 .79 .82 .85 .88 .91 .96 1.0
27	1	123	496	.248	.31 .34 .36 .39 .41 .44 .46 .49 .51 .53 .55 .57 .59 .61 .63 .65 .67 .69 .72 .75 .78 .81 .84 .87 .91 .95 1.0
28	0	118	496	.238	.30 .33 .35 .37 .40 .42 .44 .47 .49 .51 .53 .55 .57 .59 .61 .62 .64 .67 .69 .72 .75 .78 .81 .84 .87 .91 .96 1.0
29	0	114	496	.230	.29 .31 .34 .36 .38 .40 .43 .45 .47 .49 .51 .53 .55 .57 .59 .61 .62 .64 .67 .70 .73 .75 .78 .81 .84 .88 .93 .97 1.0
30	0	110	496	.222	.28 .30 .33 .35 .37 .39 .41 .43 .46 .47 .49 .51 .53 .55 .56 .58 .60 .62 .64 .67 .70 .73 .75 .78 .81 .84 .88 .93 .96
31	1	106	496	.214	.27 .29 .31 .33 .36 .38 .40 .42 .44 .46 .47 .49 .51 .53 .54 .56 .58 .60 .62 .65 .68 .70 .73 .75 .79 .82 .86 .90 .93
32	0	102	496	.206	.26 .28 .30 .32 .34 .36 .38 .40 .42 .44 .46 .47 .49 .51 .52 .54 .56 .58 .60 .62 .65 .68 .70 .72 .76 .79 .83 .86 .89
33	0	99	496	.200	.25 .27 .29 .31 .33 .35 .37 .39 .41 .43 .44 .46 .48 .49 .51 .52 .54 .56 .58 .60 .63 .66 .68 .70 .73 .77 .80 .84 .87
34	1	96	496	.194	.24 .27 .29 .30 .32 .34 .36 .38 .40 .41 .43 .44 .46 .48 .49 .51 .52 .54 .56 .59 .61 .64 .66 .68 .71 .74 .78 .81 .84
35	0	93	496	.188	.24 .26 .28 .29 .31 .33 .35 .37 .39 .40 .42 .43 .45 .46 .48 .49 .51 .53 .54 .57 .59 .62 .64 .66 .69 .72 .76 .79 .82
36	0	91	496	.183	.23 .25 .27 .29 .31 .32 .34 .36 .38 .39 .41 .42 .44 .45 .47 .48 .50 .51 .53 .55 .56 .60 .62 .65 .67 .71 .74 .77 .80
37	0	89	496	.179	.23 .25 .26 .28 .30 .32 .33 .35 .37 .38 .40 .41 .43 .44 .46 .47 .49 .50 .52 .54 .57 .59 .61 .63 .66 .69 .72 .75 .78
38	0	87	496	.175	.22 .24 .26 .27 .29 .31 .33 .34 .36 .38 .39 .40 .42 .43 .45 .46 .48 .49 .51 .5

i	N_{R_i}	N_i	N	P_i	$P_C \rightarrow$
1	11	250	496	.504	1.0
2	12	206	496	.415	.82 1.0
3	3	172	496	.347	.69 .83 1.0
4	5	150	496	.302	.60 .73 .77 1.0
5	1	131	496	.264	.52 .64 .70 .87 1.0
6	2	117	496	.236	.47 .57 .63 .78 .93 1.0
7	1	104	496	.210	.42 .50 .63 .74 .79 .99 1.0
8	3	93	496	.188	.37 .45 .54 .62 .71 .79 .89 1.0
9	1	83	496	.167	.33 .40 .44 .55 .63 .71 .80 .90 1.0
10	2	76	496	.153	.30 .37 .44 .51 .55 .65 .73 .82 .92 1.0
11	0	70	496	.141	.28 .34 .41 .47 .53 .60 .57 .75 .84 .97 1.0
12	0	66	496	.133	.26 .32 .34 .44 .50 .56 .63 .71 .80 .97 .94 1.0
13	1	62	496	.125	.25 .30 .35 .41 .47 .53 .60 .67 .75 .82 .89 .94 1.0
14	2	58	496	.117	.23 .28 .34 .39 .44 .50 .56 .62 .73 .76 .83 .88 .94 1.0
15	0	55	496	.111	.22 .27 .32 .37 .42 .47 .53 .59 .65 .72 .79 .83 .89 .95 1.0
16	0	54	496	.109	.22 .26 .31 .36 .41 .46 .52 .58 .65 .71 .77 .82 .87 .93 .98 1.0
17	0	53	496	.107	.21 .26 .31 .35 .40 .45 .51 .57 .64 .70 .76 .80 .85 .91 .96 .98 1.0
18	0	52	496	.105	.21 .25 .33 .35 .40 .44 .50 .56 .63 .68 .74 .79 .84 .90 .95 .96 .98 1.0
19	0	51	496	.103	.20 .25 .32 .34 .39 .44 .49 .55 .61 .67 .73 .77 .82 .88 .93 .94 .96 .98 1.0
20	0	50	496	.101	.20 .24 .29 .33 .38 .43 .48 .54 .60 .65 .71 .76 .81 .86 .91 .93 .94 .96 .98 1.0
21	1	49	496	.099	.20 .24 .23 .33 .37 .42 .47 .53 .59 .64 .70 .74 .77 .84 .89 .91 .92 .94 .96 .98 1.0
22	0	48	496	.097	.19 .23 .23 .32 .37 .41 .46 .52 .58 .63 .69 .73 .77 .83 .87 .89 .91 .92 .94 .96 .98 1.0
23	0	48	496	.097	.19 .23 .23 .32 .37 .41 .46 .52 .58 .63 .69 .73 .77 .83 .87 .89 .91 .92 .94 .96 .98 1.0
24	0	48	496	.097	.19 .23 .23 .32 .37 .41 .46 .52 .58 .63 .69 .73 .77 .83 .87 .89 .91 .92 .94 .96 .98 1.0
25	0	47	496	.095	.19 .23 .27 .31 .35 .40 .45 .51 .57 .62 .67 .71 .76 .81 .85 .87 .89 .90 .92 .94 .96 .98 .98 1.0
26	0	46	496	.093	.18 .22 .27 .31 .35 .39 .44 .49 .55 .61 .66 .70 .74 .79 .84 .85 .87 .88 .90 .92 .94 .96 .96 .98 1.0
27	0	45	496	.091	.18 .22 .26 .30 .34 .38 .43 .48 .54 .59 .64 .68 .73 .78 .82 .83 .85 .87 .88 .90 .92 .94 .94 .96 .98 1.0
28	0	44	496	.089	.18 .21 .25 .29 .34 .38 .42 .47 .53 .58 .63 .67 .71 .76 .80 .81 .83 .85 .86 .88 .90 .92 .92 .92 .94 .96 .98 1.0
29	0	43	496	.087	.17 .21 .25 .29 .33 .37 .41 .46 .52 .57 .61 .65 .69 .74 .78 .80 .81 .83 .84 .86 .88 .90 .90 .91 .93 .96 .98 1.0
30	0	42	496	.085	.17 .20 .24 .28 .32 .36 .40 .45 .51 .55 .60 .64 .68 .72 .76 .78 .79 .81 .82 .84 .86 .88 .88 .89 .91 .93 .95 .98
31	0	41	496	.083	.16 .20 .24 .27 .31 .35 .39 .44 .49 .54 .59 .62 .66 .71 .75 .76 .77 .79 .80 .82 .84 .85 .85 .85 .87 .89 .91 .93 .95
32	0	40	496	.081	.16 .19 .23 .27 .31 .34 .38 .43 .48 .53 .57 .61 .65 .67 .73 .74 .75 .77 .78 .80 .82 .83 .83 .83 .85 .87 .89 .91 .93
33	0	39	496	.079	.16 .19 .23 .26 .30 .33 .38 .42 .47 .51 .56 .59 .63 .67 .71 .72 .74 .75 .76 .78 .80 .81 .81 .81 .83 .85 .87 .89 .91
34	0	38	496	.077	.15 .18 .22 .25 .29 .32 .37 .41 .46 .50 .54 .58 .61 .65 .69 .70 .72 .73 .75 .76 .78 .79 .79 .79 .81 .83 .84 .86 .88
35	0	37	496	.075	.15 .18 .22 .25 .29 .32 .36 .40 .45 .49 .53 .56 .60 .64 .68 .69 .70 .71 .73 .74 .76 .77 .77 .77 .79 .80 .82 .84 .86
36	0	36	496	.073	.14 .17 .21 .24 .27 .31 .35 .39 .43 .47 .51 .55 .58 .62 .65 .67 .68 .69 .71 .72 .73 .75 .75 .75 .77 .78 .80 .82 .84
37	0	35	496	.071	.14 .17 .20 .23 .27 .30 .34 .38 .42 .46 .50 .53 .56 .60 .64 .65 .65 .67 .69 .70 .71 .73 .73 .73 .74 .76 .78 .80 .81
38	0	34	496	.069	.14 .17 .20 .23 .26 .29 .33 .37 .41 .45 .49 .52 .55 .59 .62 .63 .64 .65 .67 .68 .69 .71 .71 .71 .72 .74 .76 .77 .79
39	0	33	496	.067	.13 .16 .17 .22 .25 .28 .32 .35 .39 .43 .47 .50 .53 .57 .60 .61 .62 .63 .65 .66 .67 .69 .69 .69 .70 .72 .73 .75 .77
40	0	32			

i N_{ri} N_i N P_i P_c

Table A.01.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	17	174	496	.351	1.0
2	7	131	496	.264	.75 1.0
3	4	104	496	.210	.60 .79 1.0
4	5	84	496	.169	.48 .64 .81 1.0
5	3	68	496	.137	.39 .52 .65 .81 1.0
6	2	57	496	.115	.33 .44 .55 .68 .84 1.0
7	1	49	496	.099	.28 .37 .47 .58 .72 .86 1.0
8	1	43	496	.087	.25 .33 .41 .51 .63 .75 .88 1.0
9	2	38	496	.077	.22 .29 .37 .45 .56 .67 .78 .88 1.0
10	1	34	496	.069	.20 .26 .33 .40 .50 .60 .69 .79 .89 1.0
11	0	32	496	.065	.18 .24 .31 .38 .47 .56 .65 .74 .84 .94 1.0
12	0	31	496	.063	.18 .24 .30 .37 .46 .54 .63 .72 .82 .91 .97 1.0
13	0	30	496	.060	.17 .23 .29 .36 .44 .53 .61 .70 .79 .88 .94 .97 1.0
14	0	29	496	.058	.17 .22 .28 .35 .43 .51 .59 .67 .76 .85 .91 .94 .97 1.0
15	0	28	496	.056	.16 .21 .27 .33 .41 .49 .57 .65 .74 .82 .88 .90 .93 .97 1.0
16	0	27	496	.054	.16 .21 .26 .32 .40 .47 .55 .63 .71 .79 .84 .87 .90 .93 .96 1.0
17	0	26	496	.052	.15 .20 .25 .31 .38 .46 .53 .60 .68 .76 .81 .84 .87 .90 .93 .96 1.0
18	0	25	496	.050	.14 .19 .24 .30 .37 .44 .51 .58 .66 .74 .78 .81 .83 .86 .89 .93 .96 1.0
19	0	24	496	.048	.14 .18 .23 .29 .35 .42 .49 .56 .63 .71 .75 .77 .80 .83 .86 .89 .92 .96 1.0
20	0	23	496	.046	.13 .18 .22 .27 .34 .40 .47 .53 .61 .68 .72 .74 .77 .79 .82 .85 .88 .92 .96 1.0
21	0	22	496	.044	.13 .17 .21 .26 .32 .39 .45 .51 .58 .65 .69 .71 .73 .76 .79 .81 .85 .88 .92 .96 1.0
22	1	21	496	.042	.12 .16 .20 .25 .31 .37 .43 .49 .55 .62 .66 .68 .70 .72 .75 .78 .81 .84 .88 .91 .95 1.0
23	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0
24	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0
25	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0
26	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0
27	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0
28	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0
29	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
30	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
31	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
32	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
33	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
34	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
35	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
36	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
37	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
38	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
39	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
40	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
41	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
42	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
43	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
44	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
45	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
46	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
47	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
48	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
49	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
50	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
51	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
52	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
53	0	20	496	.040	.11 .15 .19 .24 .29 .35 .41 .47 .53 .59 .63 .65 .67 .69 .71 .74 .77 .80 .83 .87 .91 .95 1.0 1.0 1.0 1.0 1.0 1.0 1.0
54	0	19	496	.038	.11 .13 .18 .23 .23 .33 .39 .44 .50 .56 .59 .61 .63 .65 .68 .70 .73 .76 .79 .83 .86 .90 .95 .95 .95 .95 .95 .95
55	0	18	496	.036	.10 .14 .17 .21 .26 .32 .37 .42 .47 .53 .56 .58 .60 .62 .64 .67 .69 .72 .75 .78 .82 .86 .90 .90 .90 .90 .90 .90
56	0	17	496	.034	.10 .13 .16 .20 .25 .30 .35 .40 .45 .50 .53 .55 .57 .59 .61 .63 .65 .68 .71 .74 .77 .81 .85 .85 .85 .85 .85 .85
57	0	16	496	.032	.09 .12 .15 .19 .24 .26 .33 .37 .42 .47 .50 .52 .53 .55 .57 .59 .62 .64 .67 .70 .73 .76 .80 .80 .80 .80 .80 .80
58	0	15	496	.030	.09 .11 .14 .18 .22 .26 .31 .35 .39 .44 .47 .51 .53 .54 .56 .58 .60 .63 .65 .68 .71 .75 .75 .75 .75 .75 .75
59	0	14	496	.028	.08 .11 .13 .17 .21 .25 .29 .33 .37 .41 .44 .46 .47 .48 .50 .52 .54 .56 .58 .61 .64 .67 .70 .70 .70 .70 .70 .70
60	0	13	496	.026	.07 .10 .13 .15 .19 .23 .27 .30 .34 .38 .41 .42 .43 .45 .46 .48 .50 .52 .54 .57 .59 .62 .65 .65 .65 .65 .65 .65
61	0	12	496	.024	.07 .09 .12 .14 .18 .21 .24 .28 .32 .35 .38 .39 .40 .41 .43 .44 .46 .48 .50 .52 .55 .57 .60 .60 .60 .60 .60 .60
62	0	11	496	.022	.06 .08 .11 .13 .16 .19 .22 .26 .29 .32 .34 .35 .37 .38 .39 .41 .42 .44 .46 .48 .50 .52 .55 .55 .55 .55 .55 .55

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

[illegible]

[illegible]

Table A.01.075						Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in January. The period of record is 1956-1963.			
i	N _{ri}	N _i	N	P _i	P _c				
1	4	30	496	.060	1.0				
2	4	18	496	.036	.60	1.0			
3	1	10	496	.020	.33	.56	1.0		
4	1	6	496	.012	.20	.33	.60	1.0	
5	1	3	496	.006	.10	.17	.30	.50	1.0
6	1	1	496	.002	.03	.06	.10	.17	.33
7	0	0	496	.000	.00	.00	.00	.00	.00
8	0	0	496	.000	.00	.00	.00	.00	.00
9	0	0	496	.000	.00	.00	.00	.00	.00
10	0	0	496	.000	.00	.00	.00	.00	.00
11	0	0	496	.000	.00	.00	.00	.00	.00
12	0	0	496	.000	.00	.00	.00	.00	.00
13	0	0	496	.000	.00	.00	.00	.00	.00
14	0	0	496	.000	.00	.00	.00	.00	.00
15	0	0	496	.000	.00	.00	.00	.00	.00
16	0	0	496	.000	.00	.00	.00	.00	.00
17	0	0	496	.000	.00	.00	.00	.00	.00
18	0	0	496	.000	.00	.00	.00	.00	.00
19	0	0	496	.000	.00	.00	.00	.00	.00
20	0	0	496	.000	.00	.00	.00	.00	.00
21	0	0	496	.000	.00	.00	.00	.00	.00
22	0	0	496	.000	.00	.00	.00	.00	.00
23	0	0	496	.000	.00	.00	.00	.00	.00
24	0	0	496	.000	.00	.00	.00	.00	.00
25	0	0	496	.000	.00	.00	.00	.00	.00
26	0	0	496	.000	.00	.00	.00	.00	.00
27	0	0	496	.000	.00	.00	.00	.00	.00
28	0	0	496	.000	.00	.00	.00	.00	.00
29	0	0	496	.000	.00	.00	.00	.00	.00
30	0	0	496	.000	.00	.00	.00	.00	.00
31	0	0	496	.000	.00	.00	.00	.00	.00
32	0	0	496	.000	.00	.00	.00	.00	.00
33	0	0	496	.000	.00	.00	.00	.00	.00
34	0	0	496	.000	.00	.00	.00	.00	.00
35	0	0	496	.000	.00	.00	.00	.00	.00
36	0	0	496	.000	.00	.00	.00	.00	.00
37	0	0	496	.000	.00	.00	.00	.00	.00
38	0	0	496	.000	.00	.00	.00	.00	.00
39	0	0	496	.000	.00	.00	.00	.00	.00
40	0	0	496	.000	.00	.00	.00	.00	.00
41	0	0	496	.000	.00	.00	.00	.00	.00
42	0	0	496	.000	.00	.00	.00	.00	.00
43	0	0	496	.000	.00	.00	.00	.00	.00
44	0	0	496	.000	.00	.00	.00	.00	.00
45	0	0	496	.000	.00	.00	.00	.00	.00
46	0	0	496	.000	.00	.00	.00	.00	.00
47	0	0	496	.000	.00	.00	.00	.00	.00
48	0	0	496	.000	.00	.00	.00	.00	.00
49	0	0	496	.000	.00	.00	.00	.00	.00
50	0	0	496	.000	.00	.00	.00	.00	.00
51	0	0	496	.000	.00	.00	.00	.00	.00
52	0	0	496	.000	.00	.00	.00	.00	.00
53	0	0	496	.000	.00	.00	.00	.00	.00
54	0	0	496	.000	.00	.00	.00	.00	.00
55	0	0	496	.000	.00	.00	.00	.00	.00
56	0	0	496	.000	.00	.00	.00	.00	.00
57	0	0	496	.000	.00	.00	.00	.00	.00
58	0	0	496	.000	.00	.00	.00	.00	.00
59	0	0	496	.000	.00	.00	.00	.00	.00
60	0	0	496	.000	.00	.00	.00	.00	.00
61	0	0	496	.000	.00	.00	.00	.00	.00
62	0	0	496	.000	.00	.00	.00	.00	.00

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

[illegible]

[illegible]

i N_{ri} N_i N P_i P_c

Table A.02.025

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956-1963.

i: Number of 12-hour periods in the run
N_{ri}: Number of runs of exact length i
N_i: Number of runs equal to or greater than i
N: Total number of observations
P_i: The probability of a run of length i
P_c: Conditional probabilities
j: Number of periods to be added to i

1	2	413	452	.914	1.0
2	2	397	452	.878	.96 1.0
3	0	383	452	.847	.93 .96 1.0
4	0	371	452	.821	.90 .93 .97 1.0
5	1	359	452	.794	.87 .90 .94 .97 1.0
6	0	351	452	.777	.85 .88 .92 .95 .98 1.0
7	0	344	452	.761	.83 .87 .90 .93 .96 .98 1.0
8	0	337	452	.746	.82 .85 .88 .91 .94 .96 .98 1.0
9	0	330	452	.730	.80 .83 .86 .89 .92 .94 .96 .98 1.0
10	0	322	452	.712	.78 .81 .84 .87 .90 .92 .94 .96 .98 1.0
11	0	314	452	.695	.76 .79 .82 .85 .87 .89 .91 .93 .95 .98 1.0
12	0	306	452	.677	.74 .77 .80 .82 .85 .87 .89 .91 .93 .95 .97 1.0
13	0	298	452	.659	.72 .75 .78 .80 .83 .85 .87 .88 .90 .93 .95 .97 1.0
14	1	290	452	.642	.70 .73 .76 .78 .81 .83 .84 .86 .88 .90 .92 .95 .97 1.0
15	0	282	452	.624	.68 .71 .74 .76 .79 .80 .82 .84 .85 .88 .90 .92 .95 .97 1.0
16	1	274	452	.606	.66 .69 .72 .74 .76 .78 .80 .81 .83 .85 .87 .90 .92 .94 .97 1.0
17	0	266	452	.588	.64 .67 .69 .72 .74 .76 .77 .79 .81 .83 .85 .87 .89 .92 .94 .97 1.0
18	0	259	452	.573	.63 .65 .68 .70 .72 .74 .75 .77 .78 .80 .82 .85 .87 .89 .92 .95 .97 1.0
19	0	252	452	.558	.61 .63 .66 .68 .70 .72 .73 .75 .76 .78 .80 .82 .85 .87 .89 .92 .95 .97 1.0
20	0	245	452	.542	.59 .62 .64 .66 .68 .70 .71 .73 .74 .76 .78 .80 .82 .84 .87 .89 .92 .95 .97 1.0
21	2	238	452	.527	.58 .60 .62 .64 .66 .68 .69 .71 .72 .74 .76 .78 .80 .82 .84 .87 .89 .92 .94 .97 1.0
22	0	231	452	.511	.56 .58 .60 .62 .64 .66 .67 .69 .70 .72 .74 .75 .78 .80 .82 .84 .87 .89 .92 .94 .97 1.0
23	0	226	452	.500	.55 .57 .59 .61 .63 .64 .66 .67 .68 .70 .72 .74 .76 .78 .80 .82 .85 .87 .90 .92 .95 .98 1.0
24	1	221	452	.489	.54 .56 .58 .60 .62 .63 .64 .66 .67 .69 .70 .72 .74 .76 .78 .81 .83 .85 .88 .90 .93 .96 .98 1.0
25	0	216	452	.478	.52 .54 .56 .58 .60 .62 .63 .64 .66 .67 .69 .71 .72 .74 .77 .79 .81 .83 .86 .88 .91 .94 .96 .98 1.0
26	0	212	452	.469	.51 .53 .55 .57 .59 .60 .62 .63 .64 .66 .68 .69 .71 .73 .75 .77 .80 .82 .84 .87 .89 .92 .94 .96 .98 1.0
27	0	208	452	.460	.50 .52 .54 .56 .58 .59 .60 .62 .63 .65 .66 .68 .70 .72 .74 .76 .78 .80 .83 .85 .87 .90 .92 .94 .96 .98 1.0
28	2	204	452	.451	.49 .51 .53 .55 .57 .58 .59 .61 .62 .63 .65 .67 .68 .70 .72 .74 .77 .79 .81 .83 .86 .88 .90 .92 .94 .96 .98 1.0
29	0	200	452	.442	.48 .50 .52 .54 .56 .57 .58 .59 .61 .62 .64 .65 .67 .69 .71 .73 .75 .77 .79 .82 .84 .87 .88 .90 .93 .94 .96 .98 1.0
30	0	198	452	.438	.48 .50 .52 .53 .55 .56 .58 .59 .60 .61 .63 .65 .66 .68 .70 .72 .74 .76 .79 .81 .83 .86 .88 .90 .92 .93 .95 .97 .99
31	0	196	452	.434	.47 .49 .51 .53 .55 .56 .57 .59 .59 .61 .62 .64 .66 .68 .70 .72 .74 .76 .78 .80 .82 .85 .87 .89 .91 .92 .94 .96 .98
32	0	194	452	.429	.47 .49 .51 .52 .54 .55 .56 .58 .59 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .79 .82 .84 .86 .88 .90 .92 .93 .95 .97
33	0	192	452	.425	.46 .48 .50 .52 .53 .55 .56 .57 .58 .60 .61 .63 .64 .66 .68 .70 .72 .74 .76 .78 .81 .83 .85 .87 .89 .91 .92 .94 .96
34	0	190	452	.420	.46 .48 .50 .51 .53 .54 .55 .56 .58 .59 .61 .62 .64 .66 .67 .69 .71 .73 .75 .78 .80 .82 .84 .86 .88 .90 .91 .93 .95
35	0	188	452	.416	.46 .47 .49 .51 .52 .54 .55 .56 .57 .58 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .85 .87 .89 .90 .92 .94
36	0	186	452	.412	.45 .47 .49 .50 .52 .53 .54 .55 .56 .58 .59 .61 .62 .64 .66 .68 .70 .72 .74 .76 .78 .81 .82 .84 .86 .88 .89 .91 .93
37	1	184	452	.407	.45 .46 .48 .50 .51 .52 .53 .55 .56 .57 .59 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .80 .81 .83 .85 .87 .88 .90 .92
38	0	182	452	.403	.44 .46 .48 .49 .51 .52 .53 .54 .55 .57 .58 .59 .61 .63 .65 .66 .68 .70 .72 .74 .76 .79 .81 .82 .84 .86 .88 .89 .91
39	0	181	452	.400	.44 .46 .47 .49 .50 .52 .53 .54 .55 .56 .58 .59 .61 .62 .64 .66 .68 .70 .72 .74 .76 .78 .80 .82 .84 .86 .88 .89 .91
40	0	180	452	.398	.44 .45 .47 .49 .50 .51 .52 .53 .55 .56 .57 .59 .60 .62 .64 .66 .68 .69 .71 .73 .76 .78 .80 .81 .83 .85 .87 .88 .90
41	0	179	452	.396	.43 .45 .47 .48 .50 .51 .52 .53 .54 .56 .57 .58 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .84 .86 .88 .90
42	0	178	452	.394	.43 .45 .46 .48 .50 .51 .52 .53 .54 .55 .57 .58 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .82 .84 .86 .87 .89
43	0	177	452	.392	.43 .45 .46 .48 .49 .50 .51 .53 .54 .55 .56 .58 .59 .61 .63 .65 .67 .68 .70 .72 .74 .77 .78 .80 .82 .83 .85 .87 .89
44	0	176	452	.389	.43 .44 .46 .47 .49 .50 .51 .52 .53 .55 .56 .58 .59 .61 .62 .64 .66 .68 .70 .72 .74 .76 .78 .80 .81 .83 .85 .86 .88
45	0	175	452	.387	.42 .44 .46 .47 .49 .50 .51 .52 .53 .54 .56 .57 .59 .60 .62 .64 .66 .68 .69 .71 .74 .76 .77 .79 .81 .83 .84 .86 .88
46	0	174	452	.385	.42 .44 .45 .47 .48 .50 .51 .52 .53 .54 .55 .57 .58 .60 .62 .64 .65 .67 .69 .71 .73 .75 .77 .79 .81 .82 .84 .85 .87
47	0	172	452	.381	.42 .43 .45 .46 .48 .49 .50 .51 .52 .53 .55 .56 .58 .59 .61 .63 .65 .66 .68 .70 .72 .74 .76 .78 .80 .81 .83 .84 .86
48	0	170	452	.376	.41 .43 .44 .46 .47 .48 .49 .50 .52 .53 .54 .56 .57 .59 .60 .62 .64 .66 .67 .69 .71 .74 .75 .77 .79 .80 .82 .83 .85
49	0	167	452	.369	.40 .42 .44 .45 .47 .48 .49 .50 .51 .52 .53 .55 .56 .58 .59 .61 .63 .64 .66 .68 .70 .72 .74 .76 .77 .79 .80 .82 .84
50	0	164	452	.363	.40 .41 .43 .44 .46 .47 .48 .49 .50 .51 .52 .54 .55 .57 .58 .60 .62 .63 .65 .67 .69 .71 .73 .74 .76 .77 .79 .80 .82
51	0	161	452	.356	.39 .41 .42 .43 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .61 .62 .64 .66 .68 .70 .71 .73 .75 .76 .77 .79 .81
52	1	158	452	.350	.38 .40 .41 .43 .44 .45 .46 .47 .48 .49 .50 .52 .53 .54 .56 .58 .59 .61 .63 .64 .66 .68 .70 .71 .73 .75 .76 .77 .79
53	0	155	452	.343	.38 .39 .40 .42 .43 .44 .45 .46 .47 .48 .49 .51 .52 .53 .55 .57 .58 .60 .62 .63 .65 .67 .69 .70 .72 .73 .75 .76 .78
54	0	153	452	.338	.37 .39 .40 .41 .43 .44 .45 .46 .48 .49 .50 .51 .53 .54 .56 .58 .59 .61 .62 .64 .66 .68 .69 .71 .72 .74 .75 .77
55	0	151	452	.334	.37 .38 .39 .41 .42 .43 .44 .45 .46 .47 .48 .49 .51 .52 .54 .55 .57 .58 .60 .62 .63 .65 .67 .68 .70 .71 .73 .74 .76
56	0	149	452	.330	.36 .38 .39 .40 .42 .42 .43 .44 .45 .46 .47 .49 .50 .51 .53 .54 .56 .58 .59 .61 .63 .65 .66 .67 .69 .70 .72 .73 .75
57	0	147	452	.325	.36 .37 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .51 .52 .54 .55 .57 .58 .60 .62 .64 .65 .67 .68 .69 .71 .72 .74
58	0	145	452	.321	.35 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .55 .56 .58 .59 .61 .63 .64 .66 .67 .68 .70 .71 .73
59	0	143	452	.316	.35 .36 .37 .39 .40 .41 .42 .42 .43 .44 .45 .46 .47 .48 .49 .51 .52 .54 .55 .57 .58 .60 .62 .63 .65 .66 .67 .69 .70 .72
60	0	141	452	.312	.34 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .51 .53 .54 .56 .58 .59 .61 .62 .64 .65 .66 .67 .68 .69 .71
61	0	139	452	.308	.34 .35 .36 .37 .39 .40 .41 .42 .43 .44 .45 .47 .48 .49 .51 .52 .54 .55 .57 .58 .60 .62 .63 .64 .66 .67 .68 .69 .71
62	0	137	452	.303	.33 .35 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .52 .53 .54 .56 .58 .59 .61 .62 .63 .65 .66 .67 .69

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i	N _{Ri}	Ni	N	Pi	Pc	
1	4	381	452	.943	1.0	
2	3	365	452	.808	.96	1.0
3	2	353	452	.781	.93	.97 1.0
4	0	344	452	.761	.90	.94 .97 1.0
5	0	337	452	.746	.88	.92 .95 .98 1.0
6	0	330	452	.730	.87	.90 .93 .96 .99 1.0
7	1	323	452	.715	.85	.88 .92 .94 .96 .98 1.0
8	0	316	452	.699	.83	.87 .90 .92 .94 .96 .98 1.0
9	0	310	452	.686	.81	.85 .88 .90 .92 .94 .96 .98 1.0
10	0	303	452	.670	.80	.83 .86 .88 .90 .92 .94 .96 .98 1.0
11	0	299	452	.655	.78	.81 .84 .86 .89 .90 .92 .94 .95 .98 1.0
12	0	289	452	.639	.76	.79 .82 .84 .86 .88 .89 .91 .93 .95 .98 1.0
13	0	282	452	.624	.74	.77 .80 .82 .84 .85 .87 .89 .91 .93 .95 .98 1.0
14	0	275	452	.608	.72	.75 .78 .80 .82 .83 .85 .87 .89 .91 .93 .95 .98 1.0
15	1	267	452	.591	.70	.73 .76 .78 .79 .81 .83 .84 .86 .88 .90 .92 .95 .97 1.0
16	0	259	452	.573	.68	.71 .73 .75 .77 .78 .80 .82 .84 .85 .88 .90 .92 .94 .97 1.0
17	0	252	452	.558	.66	.69 .71 .73 .75 .76 .78 .80 .81 .83 .85 .87 .89 .92 .94 .97 1.0
18	0	245	452	.542	.64	.67 .69 .71 .73 .74 .76 .78 .79 .81 .83 .85 .87 .89 .92 .95 .97 1.0
19	0	238	452	.527	.62	.65 .67 .69 .71 .72 .74 .75 .77 .79 .80 .82 .84 .87 .89 .92 .94 .97 1.0
20	1	231	452	.511	.61	.63 .65 .67 .69 .70 .72 .73 .75 .76 .78 .80 .82 .84 .87 .89 .92 .94 .97 1.0
21	1	224	452	.496	.59	.61 .63 .65 .66 .68 .69 .71 .72 .74 .76 .78 .79 .81 .84 .86 .89 .91 .94 .97 1.0
22	0	218	452	.482	.57	.60 .62 .63 .65 .66 .67 .69 .70 .72 .74 .75 .77 .79 .82 .84 .87 .89 .92 .94 .97 1.0
23	0	213	452	.471	.56	.58 .60 .62 .63 .65 .66 .67 .69 .70 .72 .74 .76 .77 .80 .82 .85 .87 .89 .92 .95 .98 1.0
24	1	207	452	.458	.54	.57 .59 .60 .61 .63 .64 .66 .67 .68 .70 .72 .73 .75 .78 .80 .82 .84 .87 .90 .92 .95 .97 1.0
25	0	201	452	.445	.53	.55 .57 .58 .60 .61 .62 .64 .65 .66 .68 .70 .71 .73 .75 .78 .80 .82 .84 .87 .90 .92 .94 .97 1.0
26	0	196	452	.434	.51	.54 .56 .57 .58 .59 .61 .62 .63 .65 .66 .68 .70 .71 .73 .76 .78 .80 .82 .85 .88 .90 .92 .95 .98 1.0
27	1	191	452	.423	.50	.52 .54 .56 .57 .58 .59 .62 .63 .65 .66 .68 .70 .71 .73 .76 .78 .80 .82 .85 .88 .90 .92 .95 .97 1.0
28	1	186	452	.412	.49	.51 .53 .54 .55 .56 .58 .59 .60 .62 .63 .65 .66 .68 .70 .72 .74 .76 .78 .81 .83 .85 .87 .90 .93 .95 .97 1.0
29	0	182	452	.403	.48	.50 .52 .53 .54 .55 .56 .58 .59 .60 .61 .63 .65 .66 .68 .70 .72 .74 .76 .79 .81 .83 .85 .88 .91 .93 .95 .98 1.0
30	0	179	452	.396	.47	.49 .51 .52 .53 .54 .55 .57 .58 .59 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .80 .82 .84 .86 .89 .91 .94 .96 .98
31	0	176	452	.389	.46	.48 .50 .51 .52 .53 .54 .55 .57 .58 .59 .61 .62 .64 .66 .68 .70 .72 .74 .76 .79 .81 .83 .85 .88 .90 .92 .95 .97
32	0	173	452	.383	.45	.47 .49 .50 .51 .52 .54 .55 .56 .57 .58 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .84 .86 .88 .91 .93 .95
33	0	170	452	.376	.45	.47 .48 .49 .50 .52 .53 .54 .55 .56 .57 .59 .60 .62 .64 .66 .67 .69 .71 .74 .76 .78 .80 .82 .85 .87 .89 .91 .93 .95
34	0	167	452	.369	.44	.46 .47 .49 .50 .51 .52 .53 .54 .55 .56 .58 .59 .61 .63 .64 .66 .68 .70 .72 .75 .77 .78 .81 .83 .85 .87 .89 .91 .93
35	0	164	452	.363	.43	.45 .46 .48 .49 .50 .51 .52 .53 .54 .55 .57 .58 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .82 .84 .86 .88 .90
36	1	161	452	.356	.42	.44 .46 .47 .48 .49 .50 .51 .52 .53 .54 .56 .57 .59 .60 .62 .64 .66 .68 .70 .72 .74 .76 .78 .80 .82 .84 .87 .88
37	0	158	452	.350	.41	.43 .45 .46 .47 .48 .49 .50 .51 .52 .53 .55 .56 .57 .59 .61 .63 .64 .66 .68 .71 .72 .74 .76 .79 .81 .83 .85 .87
38	0	156	452	.345	.41	.43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .54 .55 .57 .58 .60 .62 .64 .66 .68 .

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{r_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

Table A.02.045													Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956-1963.													
i	N _{ri}	N _i	N	P _i	P _c																					
1	6	260	.452	.575	1.0																					
2	5	230	.452	.509	.88	1.0																				
3	3	205	.452	.454	.79	.89	1.0																			
4	5	185	.452	.409	.71	.80	.90	1.0																		
5	2	168	.452	.372	.65	.73	.82	.91	1.0																	
6	2	155	.452	.343	.60	.67	.76	.84	.92	1.0																
7	2	144	.452	.319	.55	.63	.70	.78	.86	.93	1.0															
8	1	135	.452	.299	.52	.59	.66	.73	.80	.87	.94	1.0														
9	1	128	.452	.283	.49	.56	.62	.69	.76	.83	.89	.95	1.0													
10	0	122	.452	.270	.47	.53	.60	.66	.73	.79	.85	.90	.95	1.0												
11	0	117	.452	.259	.45	.51	.57	.63	.70	.75	.81	.87	.91	.96	1.0											
12	0	111	.452	.246	.43	.48	.54	.60	.66	.72	.77	.82	.87	.91	.95	1.0										
13	0	105	.452	.232	.40	.46	.51	.57	.63	.68	.73	.78	.82	.86	.90	.95	1.0									
14	0	99	.452	.219	.38	.43	.48	.54	.59	.64	.69	.73	.77	.81	.85	.89	.94	1.0								
15	1	93	.452	.206	.36	.40	.45	.50	.55	.60	.65	.69	.73	.76	.79	.84	.89	.94	1.0							
16	0	87	.452	.192	.33	.38	.42	.47	.52	.56	.60	.64	.68	.71	.74	.78	.83	.88	.94	1.0						
17	1	82	.452	.181	.32	.36	.40	.44	.49	.53	.57	.61	.64	.67	.70	.74	.78	.83	.88	.94	1.0					
18	0	77	.452	.170	.30	.33	.38	.42	.46	.50	.53	.57	.60	.63	.66	.69	.73	.78	.83	.89	.94	1.0				
19	0	73	.452	.162	.28	.32	.36	.39	.43	.47	.51	.54	.57	.60	.62	.66	.70	.74	.78	.84	.89	.95	1.0			
20	0	69	.452	.153	.27	.30	.34	.37	.41	.45	.48	.51	.54	.57	.59	.62	.66	.70	.74	.79	.84	.90	.95	1.0		
21	0	65	.452	.144	.25	.28	.32	.35	.39	.42	.45	.48	.51	.53	.56	.59	.62	.66	.70	.75	.79	.84	.89	.94	1.0	
22	1	60	.452	.133	.23	.26	.29	.32	.36	.39	.42	.44	.47	.49	.51	.54	.57	.61	.65	.69	.73	.78	.82	.87	.92	1.0
23	1																									

Table A.02.055										Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in February		The period of record is 1956-1963.																	
i	N _{ri}	N _j	N	P _i	P _c																								
1	15	165	452	.365	1.0																								
2	6	135	452	.299	.82	1.0																							
3	1	119	452	.263	.72	.86	1.0																						
4	1	109	452	.241	.66	.81	.92	1.0																					
5	0	99	452	.219	.60	.73	.83	.91	1.0																				
6	1	90	452	.199	.55	.67	.76	.83	.91	1.0																			
7	1	81	452	.179	.49	.60	.68	.74	.82	.90	1.0																		
8	2	73	452	.162	.44	.54	.61	.67	.74	.81	.90	1.0																	
9	0	66	452	.146	.40	.49	.55	.61	.67	.73	.81	.90	1.0																
10	0	61	452	.135	.37	.45	.51	.56	.62	.68	.75	.84	.92	1.0															
11	1	56	452	.124	.34	.41	.47	.51	.57	.62	.69	.77	.85	.92	1.0														
12	2	51	452	.113	.31	.38	.43	.47	.52	.57	.63	.70	.77	.84	.91	1.0													
13	0	47	452	.104	.28	.35	.39	.43	.47	.52	.58	.64	.71	.77	.84	.92	1.0												
14	0	45	452	.100	.27	.33	.38	.41	.45	.50	.56	.62	.68	.74	.80	.88	.96	1.0											
15	0	43	452	.095	.26	.32	.36	.39	.43	.48	.53	.59	.65	.70	.77	.84	.91	.96	1.0										
16	0	41	452	.091	.25	.30	.34	.38	.41	.46	.51	.56	.62	.67	.73	.80	.87	.91	.95	1.0									
17	0	39	452	.086	.24	.29	.33	.36	.39	.43	.48	.53	.59	.64	.70	.76	.83	.87	.91	.95	1.0								
18	0	37	452	.082	.22	.27	.31	.34	.37	.41	.46	.51	.56	.61	.66	.73	.79	.82	.86	.90	.95	1.0							
19	1	35	452	.077	.21	.26	.29	.32	.35	.39	.43	.48	.53	.57	.63	.69	.74	.78	.81	.85	.90	.95	1.0						
20	0	33	452	.073	.20	.24	.28	.30	.33	.37	.41	.45	.50	.54	.59	.65	.70	.73	.77	.80	.85	.89	.94	1.0					
21	0	32	452	.071	.19	.24	.27	.29	.32	.36	.40	.44	.48	.52	.57	.63	.68	.71	.74	.78	.82	.86	.91	.97	1.0				
22	0	31	452	.069	.19	.23	.26	.28	.31	.34	.38	.42	.47	.51	.55	.61	.66	.69	.72	.76	.79	.84	.89	.94	.97	1.0			
23	0	30	452	.066	.18	.22	.25	.28	.30	.33	.37	.41	.45	.49	.54	.59	.64	.67	.70	.73	.77	.81	.86	.91	.94	.97	1.0		
24	0	29	452	.064	.18	.21	.24	.27	.29	.32	.36	.40	.44	.48	.52	.57	.62	.64	.67	.71	.74	.78	.83	.88	.91	.94	.97	1.0	
25	0	28	452	.062	.17	.21	.24	.26	.28	.31	.35	.38	.42	.46	.50	.55	.60	.62	.65	.68	.72	.76	.80	.85	.88	.90	.93	.97	1.0
26	0	27	452	.060	.16	.20	.23	.25	.27	.30	.33	.37																	

Table A.02.065					Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in February.																										
The period of record is 1956-1963.																															
i	N _{Ri}	N _i	N	P _i	P _C																										
1	7	89	452	.197	1.0																										
2	9	65	452	.144	.73	1.0																									
3	1	48	452	.106	.54	.74	1.0																								
4	1	40	452	.088	.45	.62	.83	1.0																							
5	2	33	452	.073	.37	.51	.69	.93	1.0																						
6	1	27	452	.060	.30	.42	.56	.68	.82	1.0																					
7	0	23	452	.051	.26	.35	.43	.58	.70	.85	1.0																				
8	2	20	452	.044	.22	.31	.42	.50	.61	.74	.87	1.0																			
9	0	17	452	.038	.19	.26	.35	.43	.52	.63	.74	.85	1.0																		
10	0	16	452	.035	.18	.25	.33	.40	.49	.59	.70	.80	.94	1.0																	
11	0	15	452	.033	.17	.23	.31	.38	.45	.55	.65	.75	.88	.94	1.0																
12	0	14	452	.031	.16	.22	.29	.35	.42	.52	.61	.70	.82	.88	.93	1.0															
13	0	13	452	.029	.15	.20	.27	.33	.39	.48	.57	.65	.76	.81	.87	.93	1.0														
14	0	12	452	.027	.13	.18	.25	.30	.36	.44	.52	.60	.71	.75	.80	.86	.92	1.0													
15	0	11	452	.024	.12	.17	.23	.28	.33	.41	.48	.55	.63	.69	.73	.79	.85	.92	1.0												
16	0	10	452	.022	.11	.15	.21	.25	.30	.37	.43	.50	.59	.63	.67	.71	.77	.83	.91	1.0											
17	0	9	452	.020	.10	.14	.19	.23	.27	.33	.39	.45	.53	.56	.60	.64	.69	.75	.82	.90	1.0										
18	0	8	452	.018	.09	.12	.17	.20	.24	.30	.35	.40	.47	.50	.53	.57	.62	.67	.73	.80	.89	1.0									
19	0	7	452	.015	.08	.11	.15	.18	.21	.26	.30	.35	.41	.44	.47	.50	.54	.58	.64	.70	.78	.88	1.0								
20	0	6	452	.013	.07	.09	.13	.15	.18	.22	.26	.30	.35	.38	.40	.43	.46	.50	.55	.60	.67	.75	.86	1.0							
21	0	5	452	.011	.06	.08	.10	.13	.15	.19	.22	.25	.29	.31	.33	.36	.38	.42	.45	.50	.56	.63	.71	.83	1.0						
22	0	4	452	.009	.04	.06	.08	.10	.12	.15	.17	.20	.24	.25	.27	.29	.31	.33	.36	.40	.44	.50	.57	.67	.80	1.0					
23	0	3	452	.007	.03	.05	.06	.08	.09	.11	.13	.15	.18	.19	.20	.21	.23	.25	.27	.30	.33	.38	.43	.50	.60	.75	1.0				
24	0	2	452	.004	.02	.03	.04	.05	.06	.07	.09	.10	.12	.13	.13	.14	.15	.17	.18	.20	.22	.25	.29	.33	.40	.50	.67	1.0			
25	1	1	452	.002	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.13	.14	.17	.20	.23	.33	.50	1.0	
26	0	0	452	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
27	0	0	452	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0
28	0	0	45																												

[illegible]

Table A.02.075						Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in February.	
The period of record is 1956-1963.							
i	N _{ri}	N _i	N	P _i	P _{c→}		
1	3	39	452	.086	1.0		
2	4	29	452	.064	.74		
3	0	22	452	.049	.56		
4	0	19	452	.042	.49		
5	0	16	452	.035	.41		
6	0	13	452	.029	.33		
7	2	10	452	.022	.26		
8	0	7	452	.015	.18		
9	0	6	452	.013	.15		
10	0	5	452	.011	.13		
11	0	4	452	.009	.10		
12	0	3	452	.007	.08		
13	0	2	452	.004	.05		
14	1	1	452	.002	.03		
15	0	0	452	.000	.00		
16	0	0	452	.000	.00		
17	0	0	452	.000	.00		
18	0	0	452	.000	.00		
19	0	0	452	.000	.00		
20	0	0	452	.000	.00		
21	0	0	452	.000	.00		
22	0	0	452	.000	.00		
23	0	0	452	.000	.00		
24	0	0	452	.000	.00		
25	0	0	452	.000	.00		
26	0	0	452	.000	.00		
27	0	0	452	.000	.00		
28	0	0	452	.000	.00		
29	0	0	452	.000	.00		
30	0	0	452	.000	.00		
31	0	0	452	.000	.00		
32	0	0	452	.000	.00		
33	0	0	452	.000	.00		
34	0	0	452	.000	.00		
35	0	0	452	.000	.00		
36	0	0	452	.000	.00		
37	0	0	452	.000	.00		
38	0	0	452	.000	.00		
39	0	0	452	.000	.00		
40	0	0	452	.000	.00		
41	0	0	452	.000	.00		
42	0	0	452	.000	.00		
43	0	0	452	.000	.00		
44	0	0	452	.000	.00		
45	0	0	452	.000	.00		
46	0	0	452	.000	.00		
47	0	0	452	.000	.00		
48	0	0	452	.000	.00		
49	0	0	452	.000	.00		
50	0	0	452	.000	.00		
51	0	0	452	.000	.00		
52	0	0	452	.000	.00		
53	0	0	452	.000	.00		
54	0	0	452	.000	.00		
55	0	0	452	.000			

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956-1963.

Table A.02.080

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in February.
The period of record is 1956-1963.

i	N _{R_i}	N _i	N	P _i	P _C
1	3	30	452	.056	1.0
2	2	22	452	.049	.73 1.0
3	1	17	452	.038	.57 .77 1.0
4	0	14	452	.031	.47 .64 .82 1.0
5	0	12	452	.027	.40 .55 .71 .86 1.0
6	1	10	452	.022	.33 .45 .59 .71 .83 1.0
7	0	8	452	.018	.27 .36 .47 .57 .67 .80 1.0
8	0	7	452	.015	.23 .32 .41 .50 .58 .70 .88 1.0
9	0	6	452	.013	.20 .27 .35 .43 .50 .60 .75 .86 1.0
10	0	5	452	.011	.17 .23 .29 .36 .42 .50 .63 .71 .83 1.0
11	0	4	452	.009	.13 .18 .24 .29 .33 .40 .50 .57 .67 .80 1.0
12	0	3	452	.007	.10 .14 .18 .21 .25 .30 .38 .43 .50 .60 .75 1.0
13	0	2	452	.004	.07 .09 .12 .14 .17 .20 .25 .29 .33 .40 .50 .67 1.0
14	1	1	452	.002	.03 .05 .06 .07 .08 .10 .13 .14 .17 .20 .25 .33 .50 1.0
15	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	452	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	452	.000	.00 .

[illegible]

Table A.02.090						Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in February.		The period of record is 1956-1963.			
i	N _{r_i}	N _i	N	P _i	P _c						
1	2	17	452	.038	1.0						
2	2	10	452	.022	.59						
3	1	5	452	.011	.29						
4	2	2	452	.004	.12						
5	0	0	452	.000	.00						
6	0	0	452	.000	.00						
7	0	0	452	.000	.00						
8	0	0	452	.000	.00						
9	0	0	452	.000	.00						
10	0	0	452	.000	.00						
11	0	0	452	.000	.00						
12	0	0	452	.000	.00						
13	0	0	452	.000	.00						
14	0	0	452	.000	.00						
15	0	0	452	.000	.00						
16	0	0	452	.000	.00						
17	0	0	452	.000	.00						
18	0	0	452	.000	.00						
19	0	0	452	.000	.00						
20	0	0	452	.000	.00						
21	0	0	452	.000	.00						
22	0	0	452	.000	.00						
23	0	0	452	.000	.00						
24	0	0	452	.000	.00						
25	0	0	452	.000	.00						
26	0	0	452	.000	.00						
27	0	0	452	.000	.00						
28	0	0	452	.000	.00						
29	0	0	452	.000	.00						
30	0	0	452	.000	.00						
31	0	0	452	.000	.00						
32	0	0	452	.000	.00						
33	0	0	452	.000	.00						
34	0	0	452	.000	.00						
35	0	0	452	.000	.00						
36	0	0	452	.000	.00						
37	0	0	452	.000	.00						
38	0	0	452	.000	.00						
39	0	0	452	.000	.00						
40	0	0	452	.000	.00						
41	0	0	452	.000	.00						
42	0	0	452	.000	.00						
43	0	0	452	.000	.00						
44	0	0	452	.000	.00						
45	0	0	452	.000	.00						
46	0	0	452	.000	.00						
47	0	0	452	.000	.00						
48	0	0	452	.000	.00						
49	0	0	452	.000	.00						
50	0	0	452	.000	.00						
51	0	0	452	.000	.00						
52	0	0	452	.000	.00						
53	0	0	452	.000	.00						
54	0	0	452	.000	.00						
55	0	0	452	.000	.00						
56	0	0	452	.000	.00						
57	0	0	452	.000	.00						
58	0	0	452	.000	.00						
59	0	0	452	.000	.00						
60	0	0	452	.000	.00						
61	0	0	452	.000	.00						
62	0	0	452	.000	.00						

i : Number of 12-hour periods in the run

N_{r_i} : Number of runs of exact length i

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c : Conditional probabilities

j : Number of periods to be added to i

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Table A.03.050										Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956-1963.																			
i	N _i	N _j	N	P _i	P _c																								
1	9	285	496	.575	1.0																								
2	4	245	496	.494	.86	1.0																							
3	3	214	496	.431	.75	.87	1.0																						
4	4	187	496	.377	.66	.76	.97	1.0																					
5	2	163	496	.329	.57	.67	.76	.87	1.0																				
6	0	143	496	.288	.50	.58	.67	.76	.88	1.0																			
7	5	124	496	.250	.44	.51	.58	.66	.76	.87	1.0																		
8	3	105	496	.212	.37	.43	.49	.56	.64	.73	.85	1.0																	
9	2	90	496	.181	.32	.37	.42	.48	.55	.63	.73	.86	1.0																
10	2	78	496	.157	.27	.32	.36	.42	.48	.55	.63	.74	.87	1.0															
11	2	67	496	.135	.24	.27	.31	.36	.41	.47	.54	.64	.74	.86	1.0														
12	1	58	496	.117	.20	.24	.27	.31	.36	.41	.47	.55	.64	.74	.87	1.0													
13	0	51	496	.103	.18	.21	.24	.27	.31	.36	.41	.49	.57	.65	.76	.88	1.0												
14	0	45	496	.091	.16	.18	.21	.24	.28	.31	.36	.43	.50	.58	.67	.78	.98	1.0											
15	0	39	496	.079	.14	.16	.18	.21	.24	.27	.31	.37	.43	.50	.58	.67	.76	.87	1.0										
16	2	33	496	.067	.12	.13	.15	.18	.20	.23	.27	.31	.37	.42	.49	.57	.65	.73	.85	1.0									
17	0	27	496	.054	.09	.11	.13	.14	.17	.19	.22	.26	.30	.35	.40	.47	.53	.60	.69	.82	1.0								
18	0	23	496	.046	.08	.09	.11	.12	.14	.16	.19	.22	.26	.29	.34	.40	.45	.51	.59	.70	.85	1.0							
19	0	19	496	.038	.07	.08	.09	.10	.12	.13	.15	.18	.21	.24	.28	.33	.37	.42	.49	.58	.70	.83	1.0						
20	1	15	496	.030	.05	.06	.07	.08	.09	.10	.12	.14	.17	.19	.22	.26	.29	.33	.38	.45	.56	.65	.79	1.0					
21	1	11	496	.022	.04	.04	.05	.06	.07	.08	.09	.10	.12	.14	.16	.19	.22	.24	.28	.33	.41	.48	.58	.73	1.0				
22	0	8	496	.016	.03	.03	.04	.04	.05	.06	.06	.08	.09	.10	.12	.14	.16	.18	.21	.24	.30	.35	.42	.53	.73	1.0			
23	1	6	496	.012																									

i	N_{R_i}	N_i	N	P_i	P_{C_j}																			
1	17	158	496	.318	1.0																			
2	18	109	496	.220	.69	1.0																		
3	4	77	496	.155	.49	.71	1.0																	
4	1	63	496	.127	.40	.53	.92	1.0																
5	1	53	496	.107	.34	.49	.69	.84	1.0															
6	3	43	496	.087	.27	.39	.56	.68	.91	1.0														
7	2	34	496	.069	.22	.31	.44	.54	.64	.79	1.0													
8	2	28	496	.056	.18	.26	.36	.44	.53	.65	.82	1.0												
9	0	24	496	.048	.15	.22	.31	.38	.45	.54	.71	.86	1.0											
10	0	21	496	.042	.13	.19	.27	.33	.40	.49	.62	.75	.93	1.0										
11	0	18	496	.036	.11	.17	.23	.29	.34	.42	.53	.66	.75	.86	1.0									
12	1	15	496	.030	.09	.14	.19	.24	.28	.35	.44	.54	.63	.71	.83	1.0								
13	0	12	496	.024	.08	.11	.16	.19	.23	.28	.35	.43	.50	.57	.67	.80	1.0							
14	0	10	496	.020	.06	.09	.13	.16	.19	.23	.29	.36	.42	.48	.56	.67	.83	1.0						
15	0	8	496	.016	.05	.07	.10	.13	.15	.19	.24	.29	.33	.38	.44	.53	.67	.80	1.0					
16	1	6	496	.012	.04	.06	.08	.10	.11	.14	.18	.21	.25	.29	.33	.40	.49	.59	.75	1.0				
17	0	4	496	.008	.03	.04	.05	.06	.08	.09	.12	.14	.17	.19	.22	.27	.33	.40	.50	.67	1.0			
18	0	3	496	.006	.02	.03	.04	.05	.06	.07	.09	.11	.13	.14	.17	.20	.25	.30	.38	.50	.75	1.0		
19	0	2	496	.004	.01	.02	.03	.03	.04	.05	.06	.07	.08	.10	.11	.13	.17	.20	.25	.33	.50	.67	1.0	
20	1	1	496	.002	.01	.01	.01	.02	.02	.02	.03	.04	.04	.05	.06	.07	.08	.10	.13	.17	.25	.33	.50	1.0
21	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	0	0	496	.000	.00																			

[illegible]

[illegible]

i N_{ri} N_i N P_i P_c→

Table A.03.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956-1963.

1	12	42	496	.085	1.0
2	2	23	496	.046	.55 1.0
3	1	16	496	.032	.38 .70 1.0
4	1	11	496	.022	.26 .48 .69 1.0
5	1	7	496	.014	.17 .30 .44 .64 1.0
6	0	4	496	.008	.10 .17 .25 .36 .57 1.0
7	2	2	496	.004	.05 .09 .13 .18 .29 .50 1.0
8	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
9	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
10	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
11	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
12	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
13	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
14	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run

N_{ri} : Number of runs of exact length i

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c→ : Conditional probabilities

j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i N_{ri} N_i N P_i P_c

Table A.03.080

Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in March. The period of record is 1956-1963.

1	5	25	496	.050	1.0
2	1	15	496	.030	.60 1.0
3	1	10	496	.020	.40 .67 1.0
4	2	6	496	.012	.24 .40 .67 1.0
5	0	3	496	.006	.12 .23 .39 .50 1.0
6	0	2	496	.004	.08 .13 .23 .33 .47 1.0
7	1	1	496	.002	.04 .07 .10 .17 .23 .33 .50 1.0
8	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
9	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
10	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
11	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
12	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
13	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
14	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

Table A.03.085							Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in March.		The period of record is 1956-1963.			
i	N _{ri}	N _i	N	P _i	P _c	j						
1	3	12	496	.024	1.0							
2	1	7	496	.014	.58	1.0						
3	0	5	496	.010	.42	.71	1.0					
4	0	4	496	.008	.33	.57	.10	1.0				
5	0	3	496	.004	.25	.43	.40	.75	1.0			
6	0	2	496	.004	.17	.24	.40	.50	.67	1.0		
7	1	1	496	.002	.08	.14	.20	.25	.33	.50	1.0	
8	0	0	496	.000	.00	.00	.00	.00	.00	.00	.70	
9	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
10	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
11	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
12	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
13	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
14	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
15	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
16	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
17	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
18	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
19	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
20	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
21	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
22	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
23	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
24	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
25	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
26	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
27	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
28	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
29	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
30	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
31	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
32	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
33	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
34	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
35	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
36	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
37	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
38	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
39	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
40	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
41	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
42	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	
43	0	0	496	.000	.00	.00	.00	.00	.			

Table A.03.090

Conditional probabilities of the maximum wind speed equal to or greater than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956-1963.

i	N _{ri}	N _i	N	P _i	P _c																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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j: Number of periods to be added to i

Table A.04.015

Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

i	N_{R_i}	N_i	N	P_i	$P_{C \rightarrow}$
1	0	457	480	.952	1.0
2	1	451	480	.940	.99 1.0
3	0	444	480	.925	.97 .93 1.0
4	0	438	480	.913	.96 .97 .99 1.0
5	0	431	480	.898	.94 .96 .97 .98 1.0
6	0	424	480	.883	.93 .94 .95 .97 .98 1.0
7	1	417	480	.869	.91 .92 .94 .95 .97 .98 1.0
8	0	410	480	.854	.90 .91 .92 .94 .95 .97 .98 1.0
9	0	404	480	.842	.88 .90 .91 .92 .94 .95 .97 .99 1.0
10	0	398	480	.829	.87 .88 .90 .91 .92 .94 .95 .97 .99 1.0
11	0	391	480	.815	.86 .87 .88 .89 .91 .92 .94 .95 .97 .98 1.0
12	0	384	480	.800	.84 .85 .86 .88 .89 .91 .92 .94 .95 .96 .98 1.0
13	0	377	480	.785	.82 .84 .85 .86 .87 .89 .90 .92 .93 .95 .96 .98 1.0
14	0	370	480	.771	.81 .82 .83 .84 .86 .87 .89 .90 .92 .93 .95 .96 .98 1.0
15	1	363	480	.756	.79 .80 .82 .83 .84 .86 .87 .89 .90 .91 .93 .95 .96 .98 1.0
16	0	356	480	.742	.78 .79 .80 .81 .83 .84 .85 .87 .88 .89 .91 .93 .94 .96 .98 1.0
17	0	350	480	.729	.77 .78 .79 .80 .81 .83 .84 .85 .87 .88 .90 .91 .93 .95 .96 .98 1.0
18	0	344	480	.717	.75 .76 .77 .79 .80 .81 .82 .84 .85 .86 .88 .90 .91 .93 .95 .97 .98 1.0
19	0	337	480	.702	.74 .75 .76 .77 .78 .79 .81 .82 .83 .85 .86 .88 .89 .91 .93 .95 .96 .98 1.0
20	0	330	480	.688	.72 .73 .74 .75 .77 .78 .79 .80 .82 .83 .84 .86 .88 .89 .91 .93 .94 .96 .98 1.0
21	0	322	480	.671	.70 .71 .73 .74 .75 .76 .77 .79 .80 .81 .82 .84 .85 .87 .89 .90 .92 .94 .96 .98 1.0
22	1	314	480	.654	.69 .70 .71 .72 .73 .74 .75 .77 .78 .79 .80 .82 .83 .85 .87 .88 .90 .91 .93 .95 .98 1.0
23	0	306	480	.639	.67 .69 .69 .70 .71 .72 .73 .75 .76 .77 .78 .80 .81 .83 .85 .87 .89 .91 .93 .95 .97 1.0
24	0	299	480	.623	.65 .66 .67 .68 .69 .71 .72 .73 .74 .75 .76 .78 .79 .81 .82 .84 .85 .87 .89 .91 .93 .95 .98 1.0
25	0	292	480	.608	.64 .65 .66 .67 .68 .69 .70 .71 .72 .73 .75 .76 .77 .79 .80 .82 .83 .85 .87 .89 .91 .93 .95 .98 1.0
26	0	285	480	.594	.62 .63 .64 .65 .66 .67 .69 .70 .71 .72 .73 .74 .76 .77 .79 .80 .81 .83 .85 .86 .89 .91 .93 .95 .98 1.0
27	0	278	480	.579	.61 .62 .63 .63 .65 .66 .67 .68 .69 .70 .71 .72 .74 .75 .77 .78 .79 .81 .82 .84 .86 .89 .91 .93 .95 .98 1.0
28	0	271	480	.565	.59 .60 .61 .62 .63 .64 .65 .66 .67 .68 .69 .71 .72 .73 .75 .76 .77 .79 .80 .82 .84 .86 .89 .91 .93 .95 .97 1.0
29	0	264	480	.550	.58 .59 .59 .60 .61 .62 .63 .64 .65 .66 .68 .69 .70 .71 .73 .74 .75 .77 .78 .80 .82 .84 .86 .88 .90 .93 .95 .97 1.0
30	0	257	480	.535	.56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .66 .67 .68 .69 .71 .72 .73 .75 .76 .78 .80 .82 .84 .86 .88 .90 .92 .95 .97
31	0	250	480	.521	.55 .55 .56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .66 .68 .69 .70 .71 .73 .74 .76 .78 .80 .82 .84 .86 .88 .90 .92 .95
32	0	243	480	.506	.53 .54 .55 .55 .56 .57 .58 .59 .60 .61 .62 .63 .64 .66 .67 .68 .69 .71 .72 .74 .75 .77 .79 .81 .83 .85 .87 .90 .92
33	0	236	480	.492	.52 .52 .53 .54 .55 .56 .57 .58 .59 .60 .61 .63 .64 .65 .66 .67 .69 .70 .72 .73 .75 .77 .79 .81 .83 .85 .87 .89
34	1	229	480	.477	.50 .51 .52 .52 .53 .54 .55 .56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .66 .68 .69 .71 .73 .75 .77 .79 .80 .82 .85 .87
35	0	222	480	.463	.49 .49 .50 .51 .52 .52 .53 .54 .55 .56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .66 .67 .69 .71 .73 .75 .77 .79 .80 .82 .84
36	0	216	480	.450	.47 .48 .49 .49 .50 .51 .52 .53 .54 .55 .56 .57 .58 .60 .61 .62 .63 .64 .65 .67 .68 .69 .71 .72 .74 .76 .78 .80 .82
37	0	210	480	.433	.46 .47 .47 .48 .49 .50 .51 .52 .53 .54 .55 .56 .57 .58 .59 .60 .61 .62 .64 .65 .67 .69 .70 .72 .74 .76 .77 .79
38	0	204	480	.425	.45 .45 .46 .47 .47 .48 .49 .50 .51 .52 .53 .54 .55 .56 .57 .58 .59 .61 .62 .63 .65 .67 .68 .70 .72 .73 .75 .77
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Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

$$i \ N_r; \ N_i \ N \ P_i \ P_c \rightarrow$$

Table A.04.C45

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

i.: Number of 12-hour periods in the run

$$N_{r_i} : \text{Number of runs of exact length } i$$

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

$P_{c \rightarrow}$: Conditional probabilities

j : Number of periods to be added to i

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

i N_{ri} N_i N P_i P_c

Table A.04.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in April
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	11	117	480	.244	1.0
2	7	87	480	.181	.74 1.0
3	2	68	480	.142	.58 .78 1.0
4	2	56	480	.117	.48 .64 .82 1.0
5	3	46	480	.096	.39 .53 .68 .82 1.0
6	0	38	480	.079	.32 .44 .56 .68 .83 1.0
7	0	33	480	.069	.28 .38 .49 .59 .72 .87 1.0
8	0	28	480	.058	.24 .32 .41 .50 .61 .74 .85 1.0
9	2	23	480	.048	.20 .26 .34 .41 .50 .61 .70 .82 1.0
10	0	18	480	.038	.15 .21 .26 .32 .39 .47 .55 .64 .78 1.0
11	1	15	480	.031	.13 .17 .22 .27 .33 .39 .45 .54 .65 .83 1.0
12	0	12	480	.025	.10 .14 .18 .21 .26 .32 .36 .43 .52 .67 .80 1.0
13	1	10	480	.021	.09 .11 .15 .18 .22 .26 .30 .36 .43 .56 .67 .83 1.0
14	0	8	480	.017	.07 .09 .12 .14 .17 .21 .24 .29 .35 .44 .53 .67 .80 1.0
15	0	7	480	.015	.06 .09 .10 .13 .15 .18 .21 .25 .30 .39 .47 .58 .70 .88 1.0
16	0	6	480	.013	.05 .07 .09 .11 .13 .16 .18 .21 .26 .33 .40 .50 .60 .75 .86 1.0
17	0	5	480	.010	.04 .06 .07 .09 .11 .13 .15 .18 .22 .28 .33 .42 .50 .63 .71 .83 1.0
18	0	4	480	.008	.03 .05 .06 .07 .09 .11 .12 .14 .17 .22 .27 .33 .40 .50 .57 .67 .80 1.0
19	0	3	480	.006	.03 .03 .04 .05 .07 .08 .09 .11 .13 .17 .20 .25 .30 .38 .43 .50 .60 .75 1.0
20	0	2	480	.004	.02 .02 .03 .04 .05 .06 .07 .09 .11 .13 .17 .20 .25 .29 .33 .40 .50 .67 1.0
21	1	1	480	.002	.01 .01 .01 .02 .02 .03 .03 .04 .04 .06 .07 .08 .10 .13 .14 .17 .20 .25 .33 .50 1.0
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i N_{ri} N_i N P_i P_c→

Table A.04.060

Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

1	12	86	480	.179	1.0
2	3	61	480	.127	.71 1.0
3	3	48	480	.100	.56 .79 1.0
4	3	38	480	.079	.44 .62 .79 1.0
5	0	31	480	.065	.36 .51 .65 .82 1.0
6	0	27	480	.056	.31 .44 .56 .71 .87 1.0
7	0	23	480	.048	.27 .38 .48 .61 .74 .85 1.0
8	2	19	480	.040	.22 .31 .40 .50 .61 .70 .83 1.0
9	0	15	480	.031	.17 .25 .31 .39 .48 .56 .65 .79 1.0
10	0	13	480	.027	.15 .21 .27 .34 .42 .48 .57 .68 .87 1.0
11	0	11	480	.023	.13 .18 .23 .29 .35 .41 .48 .56 .73 .85 1.0
12	1	9	480	.019	.10 .15 .19 .24 .29 .33 .39 .47 .60 .69 .82 1.0
13	0	7	480	.015	.08 .11 .15 .18 .23 .26 .30 .37 .47 .54 .64 .78 1.0
14	0	6	480	.013	.07 .10 .13 .16 .19 .22 .26 .32 .40 .46 .55 .67 .86 1.0
15	0	5	480	.010	.06 .08 .10 .13 .16 .19 .22 .26 .33 .38 .45 .56 .71 .83 1.0
16	0	4	480	.008	.05 .07 .08 .11 .13 .15 .17 .21 .27 .31 .36 .44 .57 .67 .80 1.0
17	0	3	480	.006	.03 .05 .06 .08 .10 .11 .13 .16 .20 .23 .27 .33 .43 .50 .60 .75 1.0
18	0	2	480	.004	.02 .03 .04 .05 .06 .07 .09 .11 .13 .15 .18 .22 .29 .33 .40 .50 .67 1.0
19	1	1	480	.002	.01 .02 .02 .03 .03 .04 .04 .05 .07 .08 .09 .11 .14 .17 .20 .25 .33 .50 1.0
20	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run

N_{ri} : Number of runs of exact length i

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c : Conditional probabilities

j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Table A.04.065							Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in April.		The period of record is 1956-1963.			
i	N _{ri}	N _i	N	P _i	P _{C→}							
1	8	49	480	.012	1.0							
2	6	28	480	.058	.97	1.0						
3	4	15	480	.031	.31	.54	1.0					
4	0	8	480	.017	.16	.27	.43	1.0				
5	1	3	480	.010	.10	.18	.33	.43	1.0			
6	2	2	480	.004	.04	.07	.13	.25	.40	1.0		
7	0	0	480	.000	.00	.00	.00	.00	.00	.00		
8	0	0	480	.000	.00	.00	.00	.00	.00	.00		
9	0	0	480	.000	.00	.00	.00	.00	.00	.00		
10	0	0	480	.000	.00	.00	.00	.00	.00	.00		
11	0	0	480	.000	.00	.00	.00	.00	.00	.00		
12	0	0	480	.000	.00	.00	.00	.00	.00	.00		
13	0	0	480	.000	.00	.00	.00	.00	.00	.00		
14	0	0	480	.000	.00	.00	.00	.00	.00	.00		
15	0	0	480	.000	.00	.00	.00	.00	.00	.00		
16	0	0	480	.000	.00	.00	.00	.00	.00	.00		
17	0	0	480	.000	.00	.00	.00	.00	.00	.00		
18	0	0	480	.000	.00	.00	.00	.00	.00	.00		
19	0	0	480	.000	.00	.00	.00	.00	.00	.00		
20	0	0	480	.000	.00	.00	.00	.00	.00	.00		
21	0	0	480	.000	.00	.00	.00	.00	.00	.00		
22	0	0	480	.000	.00	.00	.00	.00	.00	.00		
23	0	0	480	.000	.00	.00	.00	.00	.00	.00		
24	0	0	480	.000	.00	.00	.00	.00	.00	.00		
25	0	0	480	.000	.00	.00	.00	.00	.00	.00		
26	0	0	480	.000	.00	.00	.00	.00	.00	.00		
27	0	0	480	.000	.00	.00	.00	.00	.00	.00		
28	0	0	480	.000	.00	.00	.00	.00	.00	.00		
29	0	0	480	.000	.00	.00	.00	.00	.00	.00		
30	0	0	480	.000	.00	.00	.00	.00	.00	.00		
31	0	0	480	.000	.00	.00	.00	.00	.00	.00		
32	0	0	480	.000	.00	.00	.00	.00	.00	.00		
33	0	0	480	.000	.00	.00	.00	.00	.00	.00		
34	0	0	480	.000	.00	.00	.00	.00	.00	.00		
35	0	0	480	.000	.00	.00	.00	.00	.00	.00		
36	0	0	480	.000	.00	.00	.00	.00	.00	.00		
37	0	0	480	.000	.00	.00	.00	.00	.00	.00		
38	0	0	480	.000	.00	.00	.00	.00	.00	.00		
39	0	0	480	.000	.00	.00	.00	.00	.00	.00		
40	0	0	480	.000	.00	.00	.00	.00	.00	.00		
41	0	0	480	.000	.00	.00	.00	.00	.00	.00		
42	0	0	480	.000	.00	.00	.00	.00	.00	.00		
43	0	0	480	.000	.00	.00	.00	.00	.00	.00		
44	0	0	480	.000	.00	.00	.00	.00	.00	.00		
45	0	0	480	.000	.00	.00	.00	.00	.00	.00		
46	0	0	480	.000	.00	.00	.00	.00	.00			

[illegible]

[illegible]

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

[illegible]

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956-1963.

Table A.05.01										Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in May.										The period of record is 1956-1963.																				
i	N _i	N _j	N	P _i	P _C																																			
1	2	483	496	.974	1.0																																			
2	1	474	496	.956	.98	1.0																																		
3	1	467	496	.942	.97	.99	1.0																																	
4	0	460	496	.927	.95	.97	.99	1.0																																
5	1	453	496	.913	.94	.96	.97	.98	1.0																															
6	0	446	496	.899	.92	.94	.96	.97	.98	1.0																														
7	0	440	496	.887	.91	.93	.94	.96	.97	.99	1.0																													
8	1	434	496	.875	.90	.92	.93	.94	.96	.97	.99	1.0																												
9	0	428	496	.863	.89	.90	.92	.93	.94	.96	.97	.99	1.0																											
10	0	423	496	.853	.88	.89	.91	.92	.93	.95	.96	.97	.99	1.0																										
11	0	418	496	.843	.87	.88	.90	.91	.92	.94	.95	.96	.98	.99	1.0																									
12	0	413	496	.833	.86	.87	.88	.90	.91	.93	.94	.95	.96	.98	.99	1.0																								
13	0	407	496	.821	.84	.86	.87	.88	.90	.91	.93	.94	.95	.96	.97	.99	1.0																							
14	0	401	496	.808	.83</																																			

[illegible]

Table A.05.020					Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956-1963.																							
i	N _{Rj}	N _i	N	P _i	P _{C→}																							
1	12	364	496	.734	1.0																							
2	3	327	496	.659	.90	1.0																						
3	2	301	496	.607	.83	.92	1.0																					
4	1	278	496	.560	.76	.85	.92	1.0																				
5	2	256	496	.516	.70	.78	.85	.92	1.0																			
6	3	235	496	.474	.65	.72	.78	.85	.92	1.0																		
7	3	216	496	.435	.59	.66	.72	.78	.84	.92	1.0																	
8	2	200	496	.403	.55	.61	.66	.72	.78	.83	.93	1.0																
9	1	186	496	.375	.51	.57	.62	.67	.73	.79	.86	.93	1.0															
10	0	174	496	.351	.48	.53	.58	.63	.68	.74	.81	.87	.94	1.0														
11	2	163	496	.329	.45	.50	.54	.59	.64	.69	.75	.82	.88	.94	1.0													
12	0	152	496	.306	.42	.46	.50	.55	.59	.65	.70	.76	.82	.87	.93	1.0												
13	0	143	496	.288	.39	.44	.48	.51	.56	.61	.66	.72	.77	.82	.88	.94	1.0											
14	1	134	496	.270	.37	.41	.45	.48	.52	.57	.62	.67	.72	.77	.82	.88	.94	1.0										
15	0	125	496	.252	.34	.38	.42	.45	.49	.53	.58	.63	.67	.72	.77	.82	.87	.93	1.0									
16	0	117	496	.236	.32	.36	.39	.42	.46	.50	.54	.59	.63	.67	.72	.77	.82											

[illegible]

i N_{ri} N_i N P_i P_c

Table A.05.030

Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956-1963.

1	13	179	496	.361	1.0
2	7	140	496	.282	.78 1.0
3	5	113	496	.228	.63 .81 1.0
4	1	93	496	.188	.52 .66 .82 1.0
5	3	78	496	.157	.44 .56 .69 .84 1.0
6	1	64	496	.129	.36 .46 .57 .69 .82 1.0
7	2	53	496	.107	.30 .38 .47 .57 .68 .83 1.0
8	0	43	496	.087	.24 .31 .38 .46 .55 .67 .81 1.0
9	1	35	496	.071	.20 .25 .31 .38 .45 .55 .66 .81 1.0
10	0	27	496	.054	.15 .19 .24 .29 .34 .42 .51 .63 .77 1.0
11	1	20	496	.040	.11 .14 .18 .22 .26 .31 .38 .47 .57 .74 1.0
12	3	13	496	.026	.07 .09 .12 .14 .17 .20 .25 .30 .37 .48 .65 1.0
13	1	7	496	.014	.04 .05 .06 .08 .09 .11 .13 .16 .20 .26 .35 .54 1.0
14	0	4	496	.008	.02 .03 .04 .05 .06 .08 .09 .11 .15 .20 .31 .57 1.0
15	2	2	496	.004	.01 .01 .02 .02 .03 .03 .04 .05 .06 .07 .10 .15 .29 .50 1.0
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{T_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

[illegible]

[illegible]

i N_{ri} N_i N P_i P_c→

Table A.05.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956-1963.

1	7	34	496	.069	1.0
2	1	22	496	.044	.65 1.0
3	1	17	496	.034	.50 .77 1.0
4	0	13	496	.026	.38 .59 .75 1.0
5	0	10	496	.020	.29 .45 .59 .77 1.0
6	1	7	496	.014	.21 .32 .41 .54 .70 1.0
7	1	4	496	.008	.12 .18 .24 .31 .43 .57 1.0
8	0	2	496	.004	.06 .09 .12 .15 .20 .29 .50 1.0
9	1	1	496	.002	.03 .05 .06 .08 .10 .14 .25 .50 1.0
10	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
11	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
12	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
13	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
14	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run

N_{ri} : Number of runs of exact length i

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c→ : Conditional probabilities

j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Table A.05.055					Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956-1963.																						
i	N _{R_i}	N _i	N	P _i	P _C																						
1	7	16	496	.032	1.0																						
2	1	6	496	.012	.38	1.0																					
3	1	3	496	.006	.19	.70	1.0																				
4	1	1	496	.002	.06	.17	.33	1.0																			
5	0	0	496	.000	.00	.00	.00	.00	.00																		
6	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00																
7	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00														
8	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
9	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
10	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
11	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
12	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
13	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
14	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
15	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
16	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
17	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
18	0	0	496	.000	.00	.00																					

Table A.05.060						Conditional probabilities of the maximum wind speed equal to or greater than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956-1963.																							
i	N _{Ri}	N _i	N	P _i	P _C																								
1	4	6	496	.012	1.0																								
2	1	1	496	.002	.17	1.0																							
3	0	0	496	.000	.00	.00	.33																						
4	0	0	496	.000	.00	.00	.33	.30																					
5	0	0	496	.000	.00	.00	.33	.30	.21																				
6	0	0	496	.000	.00	.00	.33	.30	.23	.03																			
7	0	0	496	.000	.00	.00	.33	.30	.23	.03	.30																		
8	0	0	496	.000	.00	.00	.33	.30	.30	.00	.30	.30																	
9	0	0	496	.000	.00	.00	.33	.30	.30	.00	.30	.30	.00																
10	0	0	496	.000	.00	.00	.33	.30	.30	.33	.03	.30	.00	.00	.30														
11	0	0	496	.000	.00	.00	.33	.30	.37	.03	.30	.00	.00	.00	.30	.00													
12	0	0	496	.000	.00	.00	.33	.30	.30	.00	.30	.00	.00	.00	.30	.00	.00	.00											
13	0	0	496	.000	.00	.00	.33	.30	.30	.33	.00	.30	.00	.00	.00	.00	.00	.00	.00										
14	0	0	496	.000	.00	.00	.33	.30	.30	.30	.03	.30	.00	.00	.00	.00	.00	.00	.00	.00									
15	0	0	496	.000	.00	.00	.33	.30	.30	.30	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
16	0	0	496	.000	.00	.00																							

Table A.05.065						Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in May. The period of record is 1956-1963.																						
i	N _{R_i}	N _i	N	P _i	P _{C→}																							
1	3	3	496	.006	1.0																							
2	0	0	496	.000	.00 .00																							
3	0	0	496	.000	.00 .00 .70																							
4	0	0	496	.000	.00 .00 .30 .70																							
5	0	0	496	.000	.00 .00 .70 .90 .20																							
6	0	0	496	.000	.00 .00 .30 .70 .90 .00																							
7	0	0	496	.000	.00 .00 .70 .30 .00 .00 .00																							
8	0	0	496	.000	.00 .00 .20 .70 .00 .00 .00 .00																							
9	0	0	496	.000	.00 .00 .70 .20 .00 .70 .00 .00 .00																							
10	0	0	496	.000	.00 .00 .70 .00 .00 .70 .00 .00 .00 .00																							
11	0	0	496	.000	.00 .00 .90 .70 .00 .90 .00 .00 .00 .00 .00																							
12	0	0	496	.000	.00 .00 .70 .70 .00 .00 .70 .00 .00 .00 .00 .00																							
13	0	0	496	.000	.00 .00 .70 .70 .00 .90 .00 .00 .00 .00 .00 .00 .00																							
14	0	0	496	.000	.00 .00 .70 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00																							
15	0	0	496	.000	.00 .00 .30 .30 .70 .00 .00 .70 .00 .00 .00 .00 .																							

Table A.06.010					Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in June.																										
The period of record is 1956-1963.																															
i	N _{Ri}	N _i	N	P _i	P _C																										
1	9	420	480	.975	1.0																										
2	2	389	480	.810	.93	1.0																									
3	4	367	480	.765	.87	.94	1.0																								
4	3	347	480	.723	.83	.89	.95	1.0																							
5	1	331	480	.690	.79	.85	.90	.75	1.0																						
6	1	316	480	.658	.75	.81	.86	.91	.95	1.0																					
7	0	302	480	.629	.72	.78	.82	.87	.91	.96	1.0																				
8	0	289	480	.602	.69	.74	.79	.83	.87	.91	.96	1.0																			
9	1	276	480	.575	.66	.71	.75	.80	.83	.87	.91	.96	1.0																		
10	0	263	480	.548	.63	.68	.72	.76	.79	.83	.87	.91	.95	1.0																	
11	1	251	480	.523	.60	.65	.68	.72	.76	.79	.83	.87	.91	.95	1.0																
12	0	237	480	.494	.56	.61	.65	.68	.72	.75	.78	.82	.86	.90	.94	1.0															
13	1	224	480	.467	.53	.58	.61	.65	.68	.71	.74	.78	.81	.85	.89	.95	1.0														
14	0	209	480	.435	.50	.54	.57	.60	.63	.66	.69	.72	.76	.79	.83	.88	.93	1.0													
15	4	195	480	.406	.46	.50	.53	.56	.59	.62	.65	.67	.71	.74	.78	.82	.87	.93	1.0												
16	0	181	480	.377	.43	.47	.49	.52	.55	.57	.60	.63	.66	.69	.72	.76	.81	.87	.93	1.0											
17	1	171	480	.356	.41	.44	.47	.49	.52	.54	.57	.59	.62	.65	.68	.72	.76	.82	.88	.94	1.0										
18	3	161	480	.335	.38	.41	.44	.46	.49	.51	.53	.56	.58	.61	.64	.68	.72	.77	.83	.89	.94	1.0									
19	4	152	480	.317	.36	.39	.41	.44	.46	.48	.50	.53	.55	.58	.61	.64	.68	.73	.78	.84	.89	.94	1.0								
20	0	145	480	.302	.35	.37	.40	.42	.44	.46	.48	.50	.53	.55	.58	.61	.65	.69	.74	.80	.85	.90	.95	1.0							
21	0	142	480	.296	.34	.37	.39	.41	.43	.45	.47	.49	.51	.54	.57	.60	.63	.68	.73	.78	.83	.88	.93	.98	1.0						
22	0	138	480	.288	.33	.35	.38	.40	.42	.44	.46	.48	.50	.52	.55	.58	.62	.66	.71	.76	.81	.86	.91	.95	.97	1.0					
23	0	134	480	.279	.32	.34	.37	.39	.40	.42	.44	.46	.49	.51	.53	.57	.60	.64	.69	.74	.78	.83	.88	.92	.94	.97	1.0				
24	0	130	480	.271	.31	.33	.35	.37	.39	.41	.43	.45	.47	.49	.52	.55	.58	.62	.67	.72	.76	.81	.86	.90	.92	.94	.97	1.0			
25	0	126	480	.263	.30	.32	.34	.36	.38	.40	.42	.44	.46	.48	.50	.53	.56	.60	.65	.70	.74	.78	.83	.87	.89	.91	.94	.97	1.0		
26	0	122	480	.254	.29	.31	.33	.35	.37	.39	.40	.42	.44	.46	.49	.51	.54	.58	.63	.67	.71	.76	.80	.84	.86	.88	.91	.94	.97	1.0	
27	0	118	480	.246	.28	.30	.32	.34	.36	.37	.39	.41	.43	.45	.47	.50	.53	.56	.61	.65	.69	.73	.78	.81	.83	.86	.88	.91	.94	.97	1.0

[illegible]

Table A.06.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_{C_j} : Conditional probabilities
 j : Number of periods to be added to i

i	N_{R_i}	N_j	N	P_i	P_{C_j}
1	23	179	480	.373	1.0
2	7	130	480	.271	.73 1.0
3	4	103	480	.215	.58 .79 1.0
4	3	83	480	.173	.46 .64 .81 1.0
5	1	67	480	.140	.37 .52 .65 .81 1.0
6	1	54	480	.117	.30 .42 .52 .65 .81 1.0
7	4	42	480	.088	.23 .32 .41 .51 .63 .78 1.0
8	2	31	480	.065	.17 .24 .30 .37 .46 .57 .74 1.0
9	1	24	480	.050	.13 .18 .23 .29 .36 .44 .57 .77 1.0
10	0	19	480	.040	.11 .15 .18 .23 .28 .35 .45 .61 .79 1.0
11	1	15	480	.031	.08 .12 .15 .18 .22 .28 .36 .48 .63 .79 1.0
12	1	11	480	.023	.06 .08 .11 .13 .16 .20 .26 .35 .46 .58 .73 1.0
13	0	8	480	.017	.04 .06 .08 .10 .12 .15 .19 .26 .33 .42 .53 .73 1.0
14	0	6	480	.013	.03 .05 .06 .07 .09 .11 .14 .19 .25 .32 .40 .55 .75 1.0
15	0	4	480	.008	.02 .03 .04 .05 .06 .07 .10 .13 .17 .21 .27 .36 .50 .67 1.0
16	2	2	480	.004	.01 .02 .02 .02 .03 .04 .05 .06 .08 .11 .13 .18 .25 .33 .50 1.0
17	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .0

$$i \ N_{r_i} \ N_i \ N \ P_i \ P_c \rightarrow$$

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956-1963.

equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
j : Number of periods to be added to i

[illegible]

[illegible]

Table A.06.040						Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in June. The period of record is 1956-1963.																			
i	N _{Ri}	N _i	N	P _i	P _C																				
1	7	17	480	.035	1.0																				
2	3	6	480	.013	.35	1.0																			
3	0	2	480	.004	.12	.33	1.0																		
4	1	1	480	.002	.06	.17	.50	1.0																	
5	0	0	480	.000	.00	.00	.03	.00	.03																
6	0	0	480	.000	.00	.00	.03	.00	.00	.00															
7	0	0	480	.000	.00	.00	.03	.00	.00	.00	.00														
8	0	0	480	.000	.00	.00	.03	.00	.00	.00	.00	.00													
9	0	0	480	.000	.00	.00	.00	.03	.03	.00	.00	.00	.03	.03											
10	0	0	480	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00									
11	0	0	480	.000	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00								
12	0	0	480	.000	.00	.00	.00	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00							
13	0	0	480	.000	.00	.00	.00	.03	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00						
14	0	0	480	.000	.00	.00	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00					
15	0	0	480	.000	.00	.00	.03	.03	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00					
16	0	0	480	.000	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
17	0	0	480	.000	.00	.00	.03	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00					
18	0	0	480	.000	.00	.00	.03	.00	.00	.03	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00					
19	0	0																							

Table A.06.045

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in June.

The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_{c→} : Conditional probabilities
j : Number of periods to be added to i

Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956-1963

Table A.07.010										Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in July.		The period of record is 1956-1963																			
i	N _{ri}	N _i	N	P _i	P _C																										
1	10	414	496	.835	1.0																										
2	3	370	496	.746	.89	1.0																									
3	3	336	496	.677	.81	.91	1.0																								
4	6	304	496	.613	.73	.82	.90	1.0																							
5	2	275	496	.554	.66	.74	.82	.90	1.0																						
6	1	250	496	.504	.60	.68	.74	.82	.91	1.0																					
7	2	227	496	.458	.55	.61	.68	.75	.83	.91	1.0																				
8	2	204	496	.411	.49	.55	.61	.67	.74	.82	.90	1.0																			
9	2	183	496	.389	.44	.49	.54	.60	.67	.73	.81	.90	1.0																		
10	2	164	496	.331	.40	.44	.49	.54	.60	.66	.72	.80	.90	1.0																	
11	2	146	496	.294	.35	.39	.43	.48	.53	.58	.64	.72	.80	.89	1.0																
12	2	130	496	.262	.31	.35	.39	.43	.47	.52	.57	.64	.71	.79	.89	1.0															
13	0	116	496	.234	.28	.31	.35	.38	.42	.46	.51	.57	.63	.71	.79	.89	1.0														
14	3	102	496	.206	.25	.28	.30	.34	.37	.41	.45	.50	.54	.62	.70	.78	.88	1.0													
15	0	88	496	.177	.21	.24	.26	.29	.32	.35	.39	.43	.48	.54	.60	.68	.76	.80	1.0												
16	2	77	496	.155	.19	.21	.23	.25	.28	.31	.34	.38	.42	.47	.53	.59	.66	.75	.88	1.0											
17	1	66	496	.133	.16	.18	.20	.22	.24	.26	.29	.32	.36	.40	.45	.51	.57	.65	.75	.86	1.0										
18	1	57	496	.115	.14	.15	.17	.19	.21	.23	.25	.28	.31	.35	.39	.44	.49	.56	.65	.74	.86	1.0									
19	0	49	496	.099	.12	.13	.15	.16	.18	.20	.22	.24	.27	.30	.34	.38	.42	.48	.56	.64	.74	.86	1.0								
20	1	42	496	.085	.10	.11	.13	.14	.15	.17	.19	.21	.23	.26	.29	.32	.36	.41	.48	.55	.64	.74	.86	1.0							
21	0	35	496	.071	.08	.09	.10	.12																							

[illegible]

[illegible]

Table A.08.010										Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in August. The period of record is 1956-1963.																			
i	N _i	N _i	N	P _i	P _c																								
1	13	374	.496	.754	1.0																								
2	6	319	.496	.643	.85	1.0																							
3	7	277	.496	.558	.74	.87	1.0																						
4	3	238	.496	.480	.64	.75	.96	1.0																					
5	3	206	.496	.415	.55	.65	.74	.87	1.0																				
6	8	177	.496	.357	.47	.55	.64	.74	.86	1.0																			
7	4	151	.496	.304	.40	.47	.55	.63	.73	.85	1.0																		
8	2	133	.496	.268	.36	.42	.48	.56	.65	.75	.88	1.0																	
9	1	119	.496	.240	.32	.37	.43	.50	.59	.67	.79	.89	1.0																
10	0	106	.496	.214	.28	.33	.38	.45	.51	.60	.70	.80	.89	1.0															
11	1	94	.496	.190	.25	.29	.34	.39	.46	.53	.62	.71	.79	.89	1.0														
12	2	82	.496	.165	.22	.26	.30	.34	.40	.46	.54	.62	.69	.77	.87	1.0													
13	2	71	.496	.143	.19	.22	.26	.30	.34	.40	.47	.53	.60	.67	.76	.87	1.0												
14	1	62	.496	.125	.17	.19	.22	.26	.30	.35	.41	.47	.52	.58	.66	.76	.87	1.0											
15	0	55	.496	.111	.15	.17	.20	.23	.27	.31	.36	.41	.46	.52	.59	.67	.77	.89	1.0										
16	1	49	.496	.099	.13	.15	.18	.21	.24	.28	.32	.37	.41	.46	.52	.60	.69	.79	.89	1.0									
17	0	43	.496	.087	.11	.13	.16	.18	.21	.24	.28	.32	.36	.41	.46	.52	.61	.69	.78	.88	1.0								
18	2	38	.496	.077	.10	.12	.14	.16	.18	.21	.25	.29	.32	.36	.40	.46	.54	.61	.69	.78	.88	1.0							
19	1	33	.496	.067	.09	.10	.12	.14	.16	.19	.22	.25	.28	.31	.35	.40	.46	.53	.60	.67	.77	.87	1.0						
20	0	30	.496	.060	.08	.09	.11	.13	.15	.17	.20	.23	.25	.28	.32	.37	.42	.48	.55	.61	.70	.79	.91	1.0					
21	0	28	.496	.056	.07	.09	.10	.12	.14	.16	.19	.21	.24	.26	.30	.34	.39	.45	.51	.57	.65	.74	.85	.93	1.0				
22	0	26	.496	.052	.07	.08	.09	.11	.13	.15	.17	.20	.22	.25	.28	.32	.37	.42	.47	.53	.60	.68	.79	.87	.93	1.0			
23	0	24	.496	.04																									

Table A.07.035					Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in July. The period of record is 1956-1963.																	
i	N _{ri}	N _i	P _i	P _C																		
1	1	3	.496	.006	1.0																	
2	1	1	.496	.002	.33	1.0																
3	0	0	.496	.000	.00	.00	.00	1.0														
4	0	0	.496	.000	.00	.00	.00	.00	1.0													
5	0	0	.496	.000	.00	.00	.00	.00	.00	1.0												
6	0	0	.496	.000	.00	.00	.00	.00	.00	.00	1.0											
7	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	1.0										
8	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	1.0									
9	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0								
10	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0							
11	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0						
12	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0					
13	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0				
14	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0			
15	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0		
16	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
17	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
18	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
19	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
20	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
21	0</																					

[illegible]

i N_i N_j N P_i P_c

Table A.08.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in August. The period of record is 1956-1963.

1	15	67	496	.135	1.0
2	9	36	496	.073	.54 1.0
3	4	19	496	.038	.28 .53 1.0
4	1	11	496	.022	.16 .31 .58 1.0
5	1	7	496	.014	.10 .19 .37 .54 1.0
6	1	4	496	.008	.06 .11 .21 .36 .57 1.0
7	0	2	496	.004	.03 .06 .11 .18 .29 .50 1.0
8	1	1	496	.002	.01 .03 .05 .09 .14 .25 .50 1.0
9	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
10	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
11	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
12	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
13	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
14	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run

N_i : Number of runs of exact length i

N_j : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c : Conditional probabilities

j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

[illegible]

Table A.9.005					Conditional probabilities of the maximum wind speed equal to or greater than 5 mps in the 10-15 km layer over Cape Kennedy, Florida in September.																										
The period of record is 1956-1963.																															
i	N _{ri}	N _i	N	P _i	P _C																										
1	0	470	480	.979	1.0																										
2	0	462	480	.963	.98	1.0																									
3	0	454	480	.946	.97	.98	1.0																								
4	0	446	480	.929	.95	.97	.98	1.0																							
5	0	438	480	.913	.93	.95	.96	.98	1.0																						
6	0	430	480	.896	.91	.93	.95	.96	.98	1.0																					
7	1	422	480	.879	.90	.91	.93	.95	.96	.98	1.0																				
8	0	414	480	.863	.88	.90	.91	.93	.95	.96	.98	1.0																			
9	1	407	480	.848	.87	.88	.90	.91	.93	.95	.96	.98	1.0																		
10	0	400	480	.833	.85	.87	.88	.90	.91	.93	.95	.97	.98	1.0																	
11	0	394	480	.821	.84	.85	.87	.88	.90	.92	.93	.95	.97	.99	1.0																
12	0	388	480	.808	.83	.84	.85	.87	.89	.90	.92	.94	.95	.97	.98	1.0															
13	0	382	480	.796	.81	.83	.84	.86	.87	.89	.91	.92	.94	.96	.97	.98	1.0														
14	1	376	480	.783	.80	.81	.83	.84	.86	.87	.89	.91	.92	.94	.95	.97	.98	1.0													
15	0	370	480	.771	.79	.80	.81	.83	.84	.86	.88	.89	.91	.93	.94	.95	.97	.98	1.0												
16	0	365	480	.760	.78	.79	.80	.82	.83	.85	.86	.88	.90	.91	.93	.94	.96	.97	.99	1.0											
17	1	360	480	.750	.77	.78	.79	.81	.82	.84	.85	.87	.88	.90	.91	.93	.94	.96	.97	.99	1.0										
18	0	355	480	.740	.76	.77	.78	.80	.81	.83	.84	.86	.87	.89	.90	.91	.93	.94	.96	.97	.99	1.0									
19	0	351	480	.731	.75	.76	.77	.79	.80	.82	.83	.85	.86	.88	.89	.90	.92	.93	.95	.96	.98	.99	1.0								
20	0	347	480	.723	.74	.75	.76	.78	.79	.81	.82	.84	.85	.87	.88	.89	.91	.92	.94	.95	.96	.98	.99	1.0							
21	0	343	480	.715	.73	.74	.76	.77	.78	.80	.81	.83	.84	.86	.87	.88	.90	.91	.93	.94	.95	.97	.98	.99	1.0						
22	0	338	480	.704	.72	.73	.74	.76	.77	.79	.80	.82	.83	.85	.86	.87	.88	.90	.91	.93	.94	.95	.96	.97	.99	1.0					
23	0	333	480	.694	.71	.72	.73	.75	.76	.77	.79	.80	.82	.83	.85	.86	.87	.89	.90	.91	.93	.94	.95	.96	.97	.99	1.0				
24	0	328	480	.683	.70	.71	.72	.74	.75	.76	.78	.79	.81	.82	.83	.85	.86	.87	.89	.90	.91	.92	.93	.95	.96	.97	.98	1.0			
25	1	323	480	.673	.69	.70	.71	.72	.74	.75	.77	.78	.79	.81	.82	.83	.85	.86	.87	.88	.90	.91	.92	.93	.94	.96	.97	.98	1.0		
26	0	318	480	.663	.68	.69	.70	.71	.73	.74	.75	.77	.78	.80	.81	.82	.83	.85	.86	.87	.88	.90	.91	.92	.93	.94	.95	.97	.98	1.0	
27	0	314	480	.654	.67	.68	.69	.70	.72	.73	.74	.76	.77	.79	.80	.81	.82	.84	.85	.86	.87	.88	.89	.90	.92	.93	.94	.96	.97	.99	1.0

Table A.09.010							Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in September.		The period of record is 1956-1963.																					
i	N _{Ri}	Ni	N	Pi	Pc																									
1	1	401	480	.835	1.0																									
2	6	362	480	.754	.90	1.0																								
3	2	333	480	.694	.83	.92	1.0																							
4	1	310	480	.646	.77	.86	.93	1.0																						
5	1	289	480	.602	.72	.80	.87	.93	1.0																					
6	0	269	480	.560	.67	.74	.81	.87	.93	1.0																				
7	1	250	480	.521	.62	.69	.75	.81	.87	.93	1.0																			
8	4	231	480	.481	.58	.64	.69	.75	.80	.86	.92	1.0																		
9	2	213	480	.444	.53	.59	.64	.69	.74	.79	.85	.92	1.0																	
10	0	199	480	.413	.50	.55	.60	.64	.69	.74	.80	.86	.93	1.0																
11	2	187	480	.390	.47	.52	.56	.60	.65	.70	.75	.81	.88	.94	1.0															
12	1	175	480	.365	.44	.48	.53	.56	.61	.65	.70	.76	.82	.88	.94	1.0														
13	1	164	480	.342	.41	.45	.49	.53	.57	.61	.66	.71	.77	.82	.88	.94	1.0													
14	0	154	480	.321	.38	.43	.48	.50	.53	.57	.62	.67	.72	.77	.82	.88	.94	1.0												
15	1	145	480	.302	.36	.40	.44	.47	.50	.54	.58	.63	.68	.73	.78	.83	.88	.94	1.0											
16	0	136	480	.283	.34	.38	.41	.44	.47	.51	.54	.59	.64	.68	.73	.78	.83	.88	.94	1.0										
17	1	128	480	.267	.32	.35	.38	.41	.44	.48	.51	.55	.60	.64	.68	.73	.78	.83	.88	.94	1.0									
18	1	120	480	.250	.30	.33	.36	.39	.42	.45	.48	.52	.56	.60	.64	.69	.73	.78	.83	.88	.94	1.0								
19	0	113	480	.235	.28	.31	.34	.36	.39	.42	.45	.49	.53	.57	.60	.65	.69	.73	.78	.83	.88	.94	1.0							
20	0	107	480	.223	.27	.30	.32	.35	.37	.40	.43	.46	.50	.54	.57	.61	.65	.69	.74	.79	.84	.89	.95	1.0						
21	1	101	480	.210	.25	.28	.30	.33	.35	.38	.40	.44	.47	.51	.54	.58	.62	.66	.70	.74	.79	.84	.89	.94	1.0					
22	0	95	480	.198	.24	.26	.29	.31	.33	.35	.38	.41	.45	.48	.51	.54	.58	.62	.66	.70	.74	.79	.84	.89	.94	1.0				
23	2	90	480	.188	.22	.25	.27	.29	.31	.33	.36	.39	.42	.45	.48	.51	.55	.58	.62	.66	.70	.75	.80	.84	.89	.95	1.0			
24	1	85	480	.177	.21	.23	.26	.27	.29	.32	.34	.37	.40	.43	.46	.49	.52	.55	.59	.63	.66	.71	.75	.79	.84	.89	.94	1.0		
25	0	82	480	.171	.20	.23	.25	.26	.28	.30	.33	.35	.38	.41	.44	.47	.50	.53	.57	.60	.64	.68	.73	.77	.81	.86	.91	.96	1.0	
26	0	80	480	.167	.20	.22	.24	.26	.28	.30	.32	.35	.38	.40	.43	.46	.49	.52	.55	.59	.63	.67	.71	.75	.79	.84	.89	.94	.98	1.0
27	1	78	480	.163	.19	.22	.23	.25	.27	.29	.31	.34	.37	.39																

Table A.09.015				Conditional probabilities of the maximum wind speed equal to or greater than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in September.	
The period of record is 1956-1963.					
i	N _i	P _i	P _c		
1	9	.276	.480	.575	1.0
2	6	.235	.480	.490	.85 1.0
3	6	.203	.480	.423	.74 .86 1.0
4	1	.176	.480	.367	.64 .75 .87 1.0
5	3	.155	.480	.323	.56 .66 .76 .88 1.0
6	2	.135	.480	.281	.49 .57 .67 .77 .87 1.0
7	1	.118	.480	.246	.43 .50 .58 .67 .76 .87 1.0
8	5	.103	.480	.215	.37 .44 .51 .59 .66 .76 .87 1.0
9	0	.89	.480	.185	.32 .38 .44 .51 .57 .66 .75 .86 1.0
10	1	.80	.480	.167	.29 .34 .39 .45 .52 .59 .68 .78 .90 1.0
11	1	.70	.480	.146	.25 .30 .34 .40 .45 .52 .59 .68 .79 .88 1.0
12	1	.61	.480	.127	.22 .26 .30 .35 .39 .44 .52 .59 .69 .76 .87 1.0
13	1	.53	.480	.110	.19 .23 .26 .30 .34 .39 .43 .51 .60 .66 .76 .87 1.0
14	2	.46	.480	.096	.17 .20 .23 .26 .30 .34 .39 .43 .52 .58 .66 .75 .87 1.0
15	1	.40	.480	.083	.14 .17 .20 .23 .26 .30 .34 .39 .43 .50 .57 .66 .75 .87 1.0
16	2	.36	.480	.075	.13 .15 .18 .20 .23 .27 .31 .35 .40 .45 .51 .59 .68 .78 .90 1.0
17	0	.33	.480	.069	.12 .14 .16 .19 .21 .24 .28 .32 .37 .41 .47 .54 .62 .72 .83 .92 1.0
18	0	.32	.480	.067	.12 .14 .16 .18 .21 .24 .27 .31 .36 .40 .46 .52 .60 .70 .80 .89 .97 1.0
19	1	.31	.480	.065	.11 .13 .15 .18 .20 .23 .26 .30 .35 .39 .44 .51 .58 .67 .78 .86 .94 .97 1.0
20	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0
21	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0
22	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0
23	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0
24	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0
25	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0
26	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0
27	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
28	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
29	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
30	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
31	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
32	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
33	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
34	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
35	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
36	0	.30	.480	.063	.11 .13 .15 .17 .19 .22 .25 .29 .34 .38 .43 .49 .57 .65 .75 .83 .91 .94 .97 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
37	0	.30	.480	.063	.11 .1

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{r_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

[illegible]

[illegible]

Table A.10.010						Conditional probabilities of the maximum wind speed equal to or greater than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in October.																								
						The period of record is 1956-1963.																								
i	N _{Ri}	N _j	N	P _i	P _C																									
1	3	476	496	.960	1.0																									
2	3	464	496	.935	.97	1.0																								
3	0	455	496	.917	.96	.98	1.0																							
4	2	448	496	.903	.94	.97	.98	1.0																						
5	0	441	496	.889	.93	.95	.97	.98	1.0																					
6	0	436	496	.870	.92	.94	.96	.97	.98	1.0																				
7	0	431	496	.869	.91	.93	.95	.96	.98	.99	1.0																			
8	0	426	496	.859	.89	.92	.94	.95	.97	.98	.99	1.0																		
9	0	421	496	.849	.88	.91	.93	.94	.95	.97	.98	.99	1.0																	
10	0	415	496	.837	.87	.89	.91	.93	.94	.95	.96	.97	.99	1.0																
11	1	409	496	.825	.86	.88	.90	.91	.93	.94	.95	.96	.97	.99	1.0															
12	0	403	496	.813	.85	.87	.89	.90	.91	.92	.94	.95	.96	.97	.99	1.0														
13	0	398	496	.802	.84	.86	.87	.89	.90	.91	.92	.93	.95	.96	.97	.99	1.0													
14	1	393	496	.792	.83	.85	.86	.88	.89	.90	.91	.92	.93	.95	.96	.98	.99	1.0												
15	1	388	496	.782	.82	.84	.85	.87	.88	.89	.90	.91	.92	.93	.95	.96	.97	.99	1.0											
16	0	384	496	.774	.81	.83	.84	.86	.87	.88	.89	.90	.91	.93	.94	.95	.96	.98	.99	1.0										
17	0	381	496	.768	.80	.82	.84	.85	.86	.87	.88	.89	.90	.92	.93	.95	.96	.97	.98	.99	1.0									
18	0	378	496	.762	.79	.81	.83	.84	.86	.87	.88	.89	.90	.91	.92	.94	.95	.96	.97	.98	.99	1.0								
19	0	375	496	.756	.79	.81	.82	.84	.85	.86	.87	.88	.89	.90	.92	.93	.94	.95	.97	.98	.98	.99	1.0							
20	0	372	496	.750	.78	.80	.82	.83	.84	.85	.86	.87	.88	.90	.91	.92	.93	.95	.96	.97	.98	.98	.99	1.0						
21	0	369	496	.744	.78	.80	.81	.82	.84	.85	.86	.87	.88	.89	.90	.92	.93	.94	.95	.96	.97	.98	.98	.99	1.0					
22	0	366	496	.738	.77	.79	.80	.82	.83	.84	.85	.86	.87	.88	.89	.91	.92	.93	.94	.95	.96	.97	.98	.98	.99	1.0				
23	0	363	496	.732	.76	.78	.80	.81	.82	.83	.84	.85	.86	.87	.89	.90	.91	.92	.94	.95	.95	.96	.97	.98	.98	.99	1.0			
24	0	360	496	.726	.76	.78	.79	.80	.82	.83	.84	.85	.86	.87	.88	.89	.90	.92	.93	.94	.94	.95	.96	.97	.98	.98	.99	1.0		
25	0	357	496	.720	.75	.77	.78	.80	.81	.82	.83	.84	.85	.86	.87	.89	.90	.91	.92	.93	.94	.94	.95	.96	.97	.98	.98	.99	1.0	
26	0	354	496	.714	.74	.76	.78	.79	.80	.81	.82	.83	.84	.85	.87	.88	.89	.90	.91	.92	.93	.94	.94	.95	.96	.97	.98	.98	.99	1.0
27	0	351	496	.708	.74	.76	.77	.78	.80	.81	.81	.82	.83	.85	.86	.87	.88	.89	.90											

[illegible]

i N_{ri} N_i N P_i P_c→

Table A.10.020

Conditional probabilities of the maximum wind speed equal to or greater than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c→ : Conditional probabilities
j : Number of periods to be added to i

1	11	359	.496	.724	1.0
2	7	324	.496	.653	.90 1.0
3	6	300	.496	.605	.84 .93 1.0
4	1	283	.496	.571	.79 .87 .94 1.0
5	1	272	.496	.548	.76 .84 .91 .96 1.0
6	1	262	.496	.528	.73 .81 .87 .93 .96 1.0
7	0	253	.496	.510	.70 .78 .84 .89 .93 .97 1.0
8	1	245	.496	.494	.68 .76 .82 .87 .90 .94 .97 1.0
9	1	236	.496	.476	.66 .73 .79 .83 .87 .90 .93 .96 1.0
10	0	228	.496	.460	.64 .70 .76 .81 .84 .87 .90 .93 .97 1.0
11	2	220	.496	.444	.61 .68 .73 .78 .81 .84 .87 .90 .93 .96 1.0
12	0	212	.496	.427	.59 .65 .71 .75 .78 .81 .84 .87 .90 .93 .96 1.0
13	0	206	.496	.415	.57 .64 .69 .73 .76 .79 .81 .84 .87 .90 .94 .97 1.0
14	0	200	.496	.403	.56 .62 .67 .71 .74 .76 .79 .82 .85 .88 .91 .94 .97 1.0
15	1	194	.496	.391	.54 .60 .65 .69 .71 .74 .77 .79 .82 .85 .88 .92 .94 .97 1.0
16	0	188	.496	.379	.52 .58 .63 .66 .69 .72 .74 .77 .80 .82 .85 .89 .91 .94 .97 1.0
17	1	183	.496	.369	.51 .56 .61 .65 .67 .70 .72 .75 .78 .80 .83 .86 .89 .92 .94 .97 1.0
18	0	178	.496	.359	.50 .55 .59 .63 .65 .68 .70 .73 .75 .78 .81 .84 .86 .89 .92 .95 .97 1.0
19	0	174	.496	.351	.48 .54 .58 .61 .64 .66 .69 .71 .74 .76 .79 .82 .84 .87 .90 .93 .95 .98 1.0
20	0	170	.496	.343	.47 .52 .57 .60 .63 .65 .67 .69 .72 .75 .77 .80 .83 .85 .88 .90 .93 .96 .98 1.0
21	0	166	.496	.335	.46 .51 .55 .59 .61 .63 .66 .68 .70 .73 .75 .78 .81 .83 .86 .88 .91 .93 .95 .98 1.0
22	1	162	.496	.327	.45 .50 .54 .57 .60 .62 .64 .66 .69 .71 .74 .76 .79 .81 .84 .86 .89 .91 .93 .95 .98 1.0
23	0	158	.496	.319	.44 .49 .53 .56 .58 .60 .62 .64 .67 .69 .72 .75 .77 .79 .81 .84 .86 .89 .91 .93 .95 .98 1.0
24	0	154	.496	.310	.43 .48 .51 .54 .57 .59 .61 .63 .65 .68 .70 .73 .75 .77 .79 .82 .84 .87 .89 .91 .93 .95 .97 1.0
25	1	150	.496	.302	.42 .46 .50 .53 .55 .57 .59 .61 .64 .66 .68 .71 .73 .75 .77 .80 .82 .84 .86 .88 .90 .93 .95 .97 1.0
26	0	146	.496	.294	.41 .45 .49 .52 .54 .56 .58 .60 .62 .64 .66 .69 .71 .73 .75 .78 .80 .82 .84 .86 .88 .90 .92 .95 .97 1.0
27	0	143	.496	.288	.40 .44 .48 .51 .53 .55 .57 .58 .61 .63 .65 .67 .69 .72 .74 .76 .78 .80 .82 .84 .86 .88 .91 .93 .95 .98 1.0
28	0	140	.496	.282	.39 .43 .47 .49 .51 .53 .55 .57 .59 .61 .64 .66 .68 .70 .72 .74 .77 .79 .80 .82 .84 .86 .88 .91 .93 .95 .98 1.0
29	0	137	.496	.276	.38 .42 .46 .48 .50 .52 .54 .56 .58 .60 .62 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .85 .87 .89 .91 .93 .96 .98 1.0
30	0	133	.496	.268	.37 .41 .44 .47 .49 .51 .53 .55 .57 .59 .61 .63 .65 .66 .69 .71 .73 .75 .76 .78 .80 .82 .84 .86 .89 .91 .93 .95 .97 1.0
31	0	129	.496	.260	.36 .40 .43 .46 .47 .49 .51 .53 .55 .57 .59 .61 .63 .65 .66 .69 .70 .72 .74 .76 .78 .80 .82 .84 .86 .88 .90 .92 .94 1.0
32	0	125	.496	.252	.35 .39 .42 .44 .46 .48 .49 .51 .53 .55 .57 .59 .61 .63 .64 .66 .68 .70 .72 .74 .75 .77 .79 .81 .83 .86 .87 .89 .91 1.0
33	1	121	.496	.244	.34 .37 .40 .43 .44 .46 .48 .49 .51 .53 .55 .57 .59 .61 .62 .64 .66 .68 .70 .71 .73 .75 .77 .79 .81 .83 .85 .86 .88 1.0
34	0	116	.496	.234	.32 .36 .39 .41 .43 .44 .46 .47 .49 .51 .53 .55 .56 .58 .60 .62 .63 .65 .67 .68 .70 .72 .73 .75 .77 .79 .81 .83 .85 1.0
35	0	112	.496	.226	.31 .35 .37 .40 .41 .43 .44 .46 .47 .49 .51 .53 .54 .56 .58 .60 .61 .63 .64 .66 .67 .69 .71 .73 .75 .77 .78 .80 .82 1.0
36	0	108	.496	.218	.30 .33 .36 .38 .40 .41 .43 .44 .46 .47 .49 .51 .52 .54 .56 .57 .59 .61 .62 .64 .65 .67 .68 .70 .72 .74 .76 .77 .79 1.0
37	0	104	.496	.210	.29 .32 .35 .37 .38 .40 .41 .42 .44 .46 .47 .49 .50 .52 .54 .55 .57 .58 .60 .61 .63 .64 .66 .68 .69 .71 .73 .74 .76 1.0
38	0	100	.496	.202	.28 .31 .33 .35 .37 .38 .40 .41 .42 .44 .45 .47 .49 .50 .52 .53 .55 .56 .57 .59 .60 .62 .63 .65 .67 .68 .70 .71 .73 1.0
39	0	96	.496	.194	.27 .30 .32 .34 .35 .37 .38 .39 .41 .42 .44 .45 .47 .48 .49 .51 .52 .54 .55 .56 .58 .59 .61 .62 .64 .66 .67 .69 .70 1.0
40	0	92	.496	.185	.26 .28 .31 .33 .34 .35 .36 .38 .39 .40 .42 .43 .45 .46 .47 .49 .50 .52 .53 .54 .55 .57 .58 .60 .61 .63 .64 .66 .67 1.0
41	0	88	.496	.177	.25 .27 .29 .31 .32 .34 .35 .36 .37 .39 .40 .42 .43 .44 .45 .47 .48 .49 .51 .52 .53 .54 .56 .57 .59 .60 .62 .63 .64 1.0
42	1	84	.496	.169	.23 .26 .28 .30 .31 .32 .33 .34 .36 .37 .38 .40 .41 .42 .43 .45 .46 .47 .48 .49 .51 .52 .53 .55 .56 .58 .59 .60 .61 1.0
43	1	80	.496	.161	.22 .25 .27 .28 .29 .31 .32 .33 .34 .35 .36 .38 .39 .40 .41 .43 .44 .45 .46 .47 .48 .49 .51 .52 .53 .55 .56 .58 .59 .60 .61 1.0
44	0	77	.496	.155	.21 .24 .26 .27 .28 .29 .30 .31 .33 .34 .35 .36 .37 .39 .40 .41 .42 .43 .44 .45 .46 .48 .49 .51 .52 .53 .55 .56 .57 .58 1.0
45	0	75	.496	.151	.21 .23 .25 .27 .28 .29 .30 .31 .32 .33 .34 .35 .36 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .51 .52 .54 .55 1.0
46	0	73	.496	.147	.20 .23 .24 .26 .27 .28 .29 .30 .31 .32 .33 .34 .35 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .51 .52 .53 1.0
47	0	71	.496	.143	.20 .22 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .51 .52 1.0
48	0	69	.496	.139	.19 .21 .23 .24 .25 .26 .27 .28 .29 .30 .31 .33 .33 .35 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 1.0
49	0	67	.496	.135	.19 .21 .22 .24 .25 .26 .26 .27 .28 .29 .30 .32 .33 .34 .35 .36 .37 .38 .39 .39 .40 .41 .42 .44 .45 .46 .47 .48 .49 1.0
50	0	65	.496	.131	.18 .20 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .35 .36 .37 .38 .39 .40 .41 .42 .43 .45 .46 .47 .48 .49 1.0
51	0	63	.496	.127	.18 .19 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .32 .34 .34 .35 .36 .37 .38 .39 .40 .41 .42 .43 .45 .46 .47 1.0
52	0	61	.496	.123	.17 .19 .20 .22 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .31 .32 .33 .34 .35 .36 .37 .38 .39 .40 .41 .42 .43 .44 .45 1.0
53	0	59	.496	.119	.16 .18 .20 .21 .22 .23 .23 .24 .25 .26 .27 .28 .29 .30 .30 .31 .32 .33 .34 .35 .36 .36 .37 .38 .39 .40 .41 .42 .43 1.0
54	0	57	.496	.115	.16 .18 .19 .20 .21 .22 .23 .23 .24 .25 .26 .27 .28 .29 .29 .30 .31 .32 .33 .34 .34 .35 .36 .37 .38 .39 .40 .41 .42 1.0
55	0	55	.496	.111	.15 .17 .18 .19 .20 .21 .22 .22 .23 .24 .25 .26 .27 .28 .28 .29 .30 .31 .32 .33 .34 .35 .36 .37 .38 .39 .40 .41 .42 1.0
56	1	53	.496	.107	.15 .16 .18 .19 .19 .20 .21 .22 .22 .23 .24 .25 .26 .27 .27 .28 .29 .30 .30 .31 .32 .33 .34 .34 .35 .36 .37 .38 .39 1.0
57	0	51	.496	.103	.14 .16 .17 .18 .19 .19 .20 .21 .22 .22 .23 .24 .25 .26 .26 .27 .28 .29 .29 .30 .31 .31 .32 .33 .34 .35 .36 .36 .37 1.0
58	0	50	.496	.101	.14 .15 .17 .18 .18 .19 .20 .20 .21 .22 .23 .24 .24 .25 .26 .27 .27 .28 .29 .29 .30 .31 .32 .32 .33 .34 .35 .36 .36 1.0
59	0	49	.496	.099	.14 .15 .16 .17 .18 .19 .19 .20 .21 .21 .22 .23 .24 .25 .25 .26 .27 .28 .28 .29 .30 .30 .31 .32 .33 .34 .34 .35 .36 1.0
60	0	47	.496	.095	.13 .15 .16 .17 .17 .18 .19 .19 .20 .21 .21 .22 .23 .24 .24 .25 .26 .26 .27 .28 .28 .29 .30 .31 .31 .32 .33 .34 .34 1.0
61	0	45	.496	.091	.13 .14 .15 .16 .17 .17 .18 .18 .19 .20 .20 .21 .22 .23 .23 .24 .25 .25 .26 .26 .27 .28 .28 .29 .30 .31 .31 .32 .33 1.0
62	0	43	.496	.087	.12 .13 .14 .15 .16 .16 .17 .18 .18 .19 .20 .20 .21 .22 .22 .23 .23 .24 .25 .25 .26 .27 .27 .28 .29 .29 .30 .31 .31 1.0

[illegible]

Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

Table A.10.035

Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_{c_j} : Conditional probabilities
 j : Number of periods to be added to i

i	N_{ri}	N_i	N	P_i	P_{c_j}
1	12	139	496	.280	1.00
2	6	104	496	.210	.75 1.00
3	3	81	496	.163	.58 .78 1.00
4	4	64	496	.129	.46 .62 .79 1.00
5	4	49	496	.099	.35 .47 .60 .77 1.00
6	3	37	496	.075	.27 .36 .46 .58 .76 1.00
7	1	29	496	.058	.21 .28 .36 .45 .59 .78 1.00
8	0	24	496	.048	.17 .23 .30 .38 .49 .65 .83 1.00
9	0	20	496	.040	.14 .19 .25 .31 .41 .54 .69 .83 1.00
10	0	16	496	.032	.12 .15 .20 .25 .33 .43 .55 .67 .80 1.00
11	0	12	496	.024	.09 .12 .15 .19 .24 .32 .41 .50 .60 .75 1.00
12	2	8	496	.016	.06 .08 .10 .13 .16 .22 .28 .33 .40 .50 .67 1.00
13	0	4	496	.008	.03 .04 .05 .06 .08 .11 .14 .17 .20 .25 .33 .50 1.00
14	2	2	496	.004	.01 .02 .02 .03 .04 .05 .07 .08 .10 .13 .17 .25 .50 1.00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .

Conditional probabilities of the maximum wind speed equal to or greater than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{c \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

Table A.10.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than j
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

i	N_{R_i}	N_j	N	P_i	$P_{C \rightarrow}$
1	6	34	496	.069	1.0
2	3	20	496	.040	.59 1.0
3	3	12	496	.024	.35 .80 1.0
4	0	7	496	.014	.21 .35 .58 1.0
5	0	5	496	.010	.15 .25 .42 .71 1.0
6	1	3	496	.006	.09 .15 .25 .43 .60 1.0
7	1	1	496	.002	.03 .05 .08 .14 .20 .33 1.0
8	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
9	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
10	0	0	496	.002	.00 .00 .00 .00 .00 .00 .00 .00
11	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
12	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
13	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
14	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
15	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
16	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
17	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
18	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
19	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
20	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.003	.00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in October.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{r_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_C \rightarrow$: Conditional probabilities
 j : Number of periods to be added to i

[illegible]

i	N_{R_i}	N_i	N	P_i	P_c
1	1	465	480	.969	1.0
2	1	456	480	.950	.98 1.0
3	0	448	480	.933	.96 .99 1.0
4	0	441	480	.919	.95 .97 .98 1.0
5	0	434	480	.904	.93 .95 .97 .98 1.0
6	0	427	480	.890	.92 .94 .95 .97 .98 1.0
7	0	420	480	.875	.90 .92 .94 .95 .97 .98 1.0
8	2	413	480	.860	.89 .91 .92 .94 .95 .97 .98 1.0
9	1	406	480	.846	.87 .89 .91 .92 .94 .95 .97 .98 1.0
10	0	401	480	.835	.86 .88 .90 .91 .92 .94 .95 .97 .99 1.0
11	0	397	480	.827	.85 .87 .89 .90 .91 .93 .95 .96 .98 .99 1.0
12	0	393	480	.819	.85 .86 .88 .89 .91 .92 .94 .95 .97 .98 .99 1.0
13	0	389	480	.810	.84 .85 .87 .88 .90 .91 .93 .94 .96 .97 .98 .99 1.0
14	0	385	480	.802	.83 .84 .86 .87 .89 .90 .92 .93 .95 .96 .97 .98 .99 1.0
15	0	381	480	.794	.82 .84 .85 .86 .88 .89 .91 .92 .94 .95 .96 .97 .98 .99 1.0
16	0	377	480	.785	.81 .83 .84 .85 .87 .88 .90 .91 .93 .94 .95 .96 .97 .98 .99 1.0
17	0	373	480	.777	.80 .82 .83 .85 .86 .87 .89 .90 .92 .93 .94 .95 .96 .97 .98 .99 1.0
18	1	368	480	.767	.79 .81 .82 .83 .85 .86 .88 .89 .91 .92 .93 .94 .95 .96 .97 .98 .99 1.0
19	0	363	480	.756	.78 .80 .81 .82 .84 .85 .86 .88 .89 .91 .91 .92 .93 .94 .95 .96 .97 .99 1.0
20	0	359	480	.748	.77 .79 .80 .81 .83 .84 .85 .87 .88 .90 .90 .91 .92 .93 .94 .95 .96 .98 .99 1.0
21	0	355	480	.740	.76 .77 .79 .80 .82 .83 .85 .86 .87 .89 .89 .90 .91 .92 .93 .94 .95 .96 .98 .99 1.0
22	0	351	480	.731	.75 .77 .78 .80 .81 .82 .84 .85 .86 .88 .88 .89 .90 .91 .92 .93 .94 .95 .97 .98 .99 1.0
23	0	347	480	.723	.75 .76 .77 .79 .80 .81 .83 .84 .85 .87 .87 .88 .89 .90 .91 .92 .93 .94 .96 .97 .98 .99 1.0
24	1	343	480	.715	.74 .75 .77 .78 .79 .80 .82 .83 .84 .86 .86 .87 .88 .89 .90 .91 .92 .93 .94 .96 .97 .98 .99 1.0
25	0	339	480	.706	.73 .74 .76 .77 .78 .79 .81 .82 .83 .85 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .95 .97 .98 .99 1.0
26	0	336	480	.700	.72 .74 .75 .76 .77 .78 .80 .81 .83 .84 .85 .85 .86 .87 .88 .89 .90 .91 .93 .94 .95 .96 .97 .98 .99 1.0
27	0	333	480	.694	.72 .73 .74 .76 .77 .78 .79 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .92 .93 .94 .95 .96 .97 .98 .99 1.0
28	0	330	480	.688	.71 .72 .74 .75 .76 .77 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .88 .89 .90 .91 .92 .93 .94 .95 .96 .97 .98 .99 1.0
29	0	327	480	.681	.70 .72 .73 .74 .75 .77 .78 .79 .81 .82 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .95 .96 .97 .98 .99 1.0
30	0	324	480	.675	.70 .71 .72 .73 .75 .76 .77 .78 .80 .81 .82 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .96 .96 .97 .98 .99 1.0
31	1	321	480	.660	.69 .70 .72 .73 .74 .75 .76 .78 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .93 .94 .95 .96 .96 .97 .98 1.0
32	0	318	480	.663	.68 .70 .71 .72 .73 .74 .76 .77 .78 .79 .80 .81 .82 .83 .84 .85 .86 .88 .89 .90 .91 .92 .93 .94 .95 .95 .96 .97 1.0
33	0	316	480	.658	.68 .69 .71 .72 .73 .74 .75 .77 .78 .79 .80 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .95 .96 .97 1.0
34	0	314	480	.654	.68 .69 .70 .71 .72 .74 .75 .76 .77 .78 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .92 .93 .93 .94 .95 .96 1.0
35	1	312	480	.650	.67 .69 .70 .71 .72 .73 .74 .76 .77 .78 .79 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .95 .95 1.0
36	0	310	480	.646	.67 .68 .69 .70 .71 .73 .74 .75 .76 .77 .78 .79 .80 .81 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .95 1.0
37	1	309	480	.644	.66 .68 .69 .70 .71 .72 .74 .75 .76 .77 .78 .79 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .93 .94 .94 1.0
38	0	308	480	.642	.66 .68 .69 .70 .71 .72 .73 .75 .76 .77 .78 .78 .79 .80 .81 .82 .83 .84 .85 .86 .87 .88 .89 .90 .91 .92 .92 .93 .94 1.0
39	0	308	480	.642	.66 .68 .69 .70 .71 .72 .73 .75 .76 .77 .78 .78 .7

Table A.11.025					Conditional probabilities of the maximum wind speed equal to or greater than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956-1963.																										
i	N_{R_i}	Ni	N	Pi	P_{C_j}																										
1	4	403	480	.840	1.0																										
2	1	382	480	.796	.95	1.0																									
3	0	365	480	.760	.91	.96	1.0																								
4	1	348	480	.725	.86	.91	.95	1.0																							
5	1	331	480	.690	.82	.87	.91	.95	1.0																						
6	0	315	480	.656	.78	.82	.86	.91	.95	1.0																					
7	3	300	480	.625	.74	.79	.82	.86	.91	.95	1.0																				
8	2	285	480	.594	.71	.75	.78	.82	.86	.90	.95	1.0																			
9	0	272	480	.567	.67	.71	.75	.78	.82	.86	.91	.95	1.0																		
10	1	261	480	.544	.65	.68	.72	.75	.79	.83	.87	.92	.96	1.0																	
11	1	250	480	.521	.62	.65	.68	.72	.76	.79	.83	.88	.92	.96	1.0																
12	1	240	480	.500	.60	.63	.66	.69	.73	.76	.80	.84	.88	.92	.96	1.0															
13	0	231	480	.481	.57	.60	.63	.66	.70	.73	.77	.81	.85	.89	.92	.96	1.0														
14	1	221	480	.460	.55	.58	.62	.64	.67	.70	.74	.78	.81	.85	.88	.92	.96	1.0													
15	0	211	480	.440	.52	.55	.58	.61	.64	.67	.70	.74	.78	.81	.84	.88	.91	.95	1.0												
16	0	202	480	.421	.50	.53	.55	.58	.61	.64	.67	.71	.74	.77	.81	.84	.87	.91	.96	1.0											
17	1	193	480	.402	.48	.51	.53	.55	.58	.61	.64	.68	.71	.74	.77	.80	.84	.87	.91	.96	1.0										
18	0	184	480	.383	.46	.48	.50	.53	.56	.58	.61	.65	.68	.70	.74	.77	.80	.83	.87	.91	.95	1.0									
19	0	176	480	.367	.44	.46	.48	.51	.53	.56	.59	.62	.65	.67	.70	.73	.76	.80	.83	.87	.91	.96	1.0								
20	0	168	480	.350	.42	.44	.46	.48	.51	.53	.56	.59	.62	.64	.67	.70	.73	.76	.80	.83	.87	.91	.95	1.0							
21	1	160	480	.333	.40	.42	.44	.46	.48	.51	.53	.56	.59	.61	.64	.67	.69	.72	.76	.79	.83	.87	.91	.95	1.0						
22	1	152	480	.317	.38	.40	.42	.44	.46	.48	.51	.53	.56	.58	.61	.63	.65	.69	.72	.75	.79	.83	.86	.90	.95	1.0					
23	0	145	480	.302	.36	.38	.40	.42	.44	.46	.48	.51	.53	.55	.58	.60	.63	.66	.69	.72	.75	.79	.82	.86	.91	.95	1.0				
24	0	139	480	.290	.34	.36	.38	.40	.42	.44	.46	.49	.51	.53	.56	.58	.60	.63	.66	.69	.72	.76	.79	.83	.87	.91	.96	1.0			
25	0	133	480	.277	.33	.35	.36	.38	.40	.42	.44	.47	.49	.51	.53	.55	.58	.60	.63	.66	.69	.72	.76	.79	.83	.88	.92	.96	1.0		
26	2	127	480	.265	.32	.33	.35	.36	.38	.40	.42	.45	.47	.49	.51	.53	.55	.57	.60	.63	.66	.69	.72	.76	.79	.84	.88	.91	.95	1.0	
27	2	121	480	.252	.30	.32	.33	.35	.37	.38	.40	.42	.44	.46	.48	.50	.52	.55	.57	.60	.63	.66	.69	.72	.76	.80	.83	.87	.91	.95	1.0
28	0	117	480	.244	.29	.31	.32	.34	.35																						

Table A.11.030					Conditional probabilities of the maximum wind speed equal to or greater than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in November.	
The period of record is 1956-1963.						
i	N _{ri}	N _i	N	P _i	P _C	
1	4	338	480	.704	1.0	
2	2	300	480	.625	.89	1.0
3	4	268	480	.558	.79	.88 1.0
4	5	237	480	.494	.70	.79 .88 1.0
5	5	210	480	.438	.62	.70 .78 .89 1.0
6	4	188	480	.392	.56	.63 .70 .79 .90 1.0
7	1	171	480	.356	.51	.57 .64 .72 .81 .91 1.0
8	3	157	480	.327	.46	.52 .59 .66 .74 .84 .92 1.0
9	0	144	480	.300	.43	.48 .54 .61 .67 .77 .84 .92 1.0
10	1	134	480	.279	.40	.45 .50 .57 .64 .71 .78 .85 .93 1.0
11	1	123	480	.256	.36	.41 .46 .52 .59 .66 .72 .78 .85 .92 1.0
12	2	113	480	.235	.33	.38 .42 .48 .54 .60 .66 .72 .78 .84 .92 1.0
13	1	102	480	.213	.30	.34 .38 .43 .49 .54 .60 .65 .71 .76 .83 .90 1.0
14	0	93	480	.194	.28	.31 .35 .39 .44 .49 .54 .59 .65 .69 .76 .82 .91 1.0
15	1	85	480	.177	.25	.28 .32 .36 .40 .44 .48 .52 .56 .61 .67 .73 .81 1.0
16	0	77	480	.160	.23	.26 .29 .32 .37 .41 .45 .49 .53 .57 .63 .68 .75 .83 .91 1.0
17	2	70	480	.146	.21	.23 .26 .30 .33 .37 .41 .45 .49 .52 .57 .62 .67 .75 .82 .91 1.0
18	0	63	480	.131	.19	.21 .24 .27 .30 .34 .37 .40 .44 .47 .51 .56 .62 .68 .74 .82 .90 1.0
19	0	58	480	.121	.17	.18 .22 .24 .28 .31 .34 .37 .40 .43 .47 .51 .57 .62 .68 .75 .83 .92 1.0
20	1	53	480	.110	.16	.18 .20 .22 .25 .28 .31 .34 .37 .40 .43 .47 .52 .57 .62 .69 .76 .84 .91 1.0
21	0	48	480	.100	.14	.16 .18 .20 .23 .26 .28 .31 .33 .36 .39 .42 .47 .52 .56 .62 .69 .76 .83 .91 1.0
22	0	44	480	.092	.13	.15 .16 .19 .21 .23 .26 .28 .31 .33 .36 .39 .43 .47 .52 .57 .63 .70 .76 .83 .92 1.0
23	1	40	480	.083	.12	.13 .15 .17 .19 .21 .23 .25 .28 .30 .33 .35 .39 .43 .47 .52 .57 .63 .69 .75 .83 .91 1.0
24	1	36	480	.075	.11	.11 .13 .15 .17 .19 .21 .23 .25 .27 .29 .32 .35 .39 .42 .47 .51 .57 .62 .68 .75 .82 .90 1.0
25	0	33	480	.069	.10	.11 .12 .14 .16 .18 .20 .23 .25 .27 .29 .32 .35 .39 .43 .47 .52 .57 .62 .69 .75 .83 .92 1.0
26	2	31	480	.065	.09	.10 .12 .13 .15 .17 .18 .20 .22 .23 .25 .27 .30 .33 .36 .40 .44 .49 .53 .58 .65 .70 .78 .86 .94 1.0
27	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
28	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
29	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
30	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
31	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
32	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
33	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
34	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
35	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
36	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .50 .55 .60 .66 .73 .81 .88 .94 1.0
37	0	29	480	.060	.09	.10 .11 .12 .14 .15 .17 .18 .20 .22 .24 .26 .28 .31 .34 .38 .41 .46 .

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run-of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

Table A.11.035										Conditional probabilities of the maximum wind speed equal to or greater than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956-1963.																					
i	N _i	N _j	N	P _i	P _C																										
1	13	259	480	.540	1.0																										
2	8	209	480	.435	.81	1.0																									
3	10	171	480	.356	.66	.82	1.0																								
4	5	141	480	.294	.54	.67	.82	1.0																							
5	2	121	480	.252	.47	.58	.71	.86	1.0																						
6	4	106	480	.221	.41	.51	.62	.75	.86	1.0																					
7	3	93	480	.194	.36	.44	.54	.66	.77	.88	1.0																				
8	2	82	480	.171	.32	.39	.48	.58	.68	.77	.88	1.0																			
9	0	74	480	.154	.29	.35	.43	.52	.61	.70	.80	.90	1.0																		
10	1	68	480	.142	.26	.33	.40	.48	.56	.64	.73	.83	.92	1.0																	
11	0	61	480	.127	.24	.29	.36	.43	.50	.58	.66	.74	.82	.90	1.0																
12	1	55	480	.115	.21	.26	.32	.39	.45	.52	.59	.67	.74	.81	.90	1.0															
13	0	48	480	.100	.19	.23	.28	.34	.40	.45	.52	.59	.65	.71	.79	.87	1.0														
14	2	42	480	.088	.16	.20	.25	.30	.35	.40	.45	.51	.57	.62	.69	.74	.88	1.0													
15	0	36	480	.075	.14	.17	.21	.26	.30	.34	.39	.44	.49	.53	.59	.65	.75	.86	1.0												
16	0	32	480	.067	.12	.15	.19	.23	.26	.30	.34	.39	.43	.47	.52	.58	.67	.76	.89	1.0											
17	0	28	480	.058	.11	.13	.16	.20	.23	.26	.30	.34	.38	.41	.46	.51	.58	.67	.78	.88	1.0										
18	0	24	480	.050	.09	.11	.14	.17	.20	.23	.26	.29	.32	.35	.39	.44	.50	.57	.67	.75	.86	1.0									
19	0	20	480	.042	.08	.10	.12	.14	.17	.19	.22	.24	.27	.29	.33	.36	.42	.48	.56	.63	.71	.83	1.0								
20	0	16	480	.033	.06	.08	.09	.11	.13	.15	.17	.20	.22	.24	.26	.29	.33	.38	.44	.50	.57	.67	.80	1.0							
21	0	12	480	.025	.05	.06	.07	.09	.10	.11	.13	.15	.16	.18	.20	.22	.25	.29	.33	.38	.43	.50	.60	.75	1.0						
22	1																														

Table A.11.040					Conditional probabilities of the maximum wind speed equal to or greater than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956-1963.	
i	N _{ri}	N _i	N	P _i	P _c	
1	17	179	480	.373	1.0	
2	9	132	480	.275	.74	1.0
3	5	102	480	.213	.57	.77 1.0
4	5	81	480	.169	.45	.61 .79 1.0
5	3	65	480	.135	.36	.49 .64 .80 1.0
6	1	54	480	.113	.30	.41 .53 .67 .83 1.0
7	1	45	480	.094	.25	.34 .44 .56 .69 .83 1.0
8	1	37	480	.077	.21	.28 .36 .46 .57 .69 .82 1.0
9	2	30	480	.063	.17	.23 .29 .37 .46 .56 .67 .81 1.0
10	1	24	480	.050	.13	.18 .24 .30 .37 .44 .53 .65 .80 1.0
11	1	19	480	.040	.11	.14 .19 .23 .29 .35 .42 .51 .63 .79 1.0
12	3	15	480	.031	.08	.11 .15 .19 .23 .28 .33 .41 .50 .63 .79 1.0
13	0	11	480	.023	.06	.08 .11 .14 .17 .20 .24 .30 .37 .46 .58 .73 1.0
14	0	10	480	.021	.06	.09 .10 .12 .15 .19 .22 .27 .33 .42 .53 .67 .81 1.0
15	0	9	480	.019	.05	.07 .09 .11 .14 .17 .20 .24 .30 .38 .47 .60 .72 .90 1.0
16	0	8	480	.017	.04	.06 .08 .10 .12 .15 .18 .22 .27 .33 .42 .53 .73 .80 .89 1.0
17	0	7	480	.015	.04	.05 .07 .09 .11 .13 .16 .19 .23 .29 .37 .47 .64 .70 .78 .88 1.0
18	0	6	480	.013	.03	.05 .06 .07 .09 .11 .13 .16 .20 .25 .32 .40 .45 .60 .67 .75 .86 1.0
19	0	5	480	.010	.03	.04 .05 .06 .08 .09 .11 .14 .17 .21 .26 .33 .43 .50 .56 .63 .71 .83 1.0
20	0	4	480	.008	.02	.03 .04 .05 .06 .07 .09 .11 .13 .17 .21 .27 .36 .40 .44 .50 .57 .67 .80 1.0
21	0	3	480	.006	.02	.02 .03 .04 .05 .06 .07 .09 .11 .13 .16 .20 .27 .30 .33 .38 .43 .50 .60 .75 1.0
22	0	2	480	.004	.01	.02 .02 .03 .04 .05 .06 .07 .08 .11 .13 .18 .20 .22 .25 .29 .33 .40 .50 .67 1.0
23	1	1	480	.002	.01	.01 .01 .01 .02 .02 .02 .03 .04 .05 .07 .09 .10 .11 .13 .14 .17 .20 .25 .33 .50 1.0
24	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	48			

i N_{ri} N_i N P_i P_c

Table A.11.055

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956-1963.

1	5	37	480	.077	1.0
2	2	26	480	.054	.70 1.0
3	1	20	480	.042	.54 .77 1.0
4	1	13	480	.031	.41 .58 .75 1.0
5	2	11	480	.023	.30 .42 .55 .73 1.0
6	1	7	480	.015	.19 .27 .35 .47 .64 1.0
7	0	5	480	.010	.14 .19 .25 .33 .45 .71 1.0
8	0	4	480	.008	.11 .15 .20 .27 .36 .57 .80 1.0
9	0	3	480	.006	.08 .12 .15 .20 .27 .43 .60 .75 1.0
10	0	2	480	.004	.05 .08 .10 .13 .18 .29 .40 .50 .67 1.0
11	1	1	480	.002	.03 .04 .05 .07 .09 .14 .20 .25 .33 .50 1.0
12	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
13	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
14	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
15	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956-1963.

i N_{ri} N_i N P_i P_c→

Table A.11.075

Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in November. The period of record is 1956-1963.

1	1	7	480	.015	1.0
2	0	5	480	.010	.71 1.0
3	0	4	480	.003	.57 .30 1.0
4	0	3	480	.006	.43 .50 .75 1.0
5	0	2	480	.004	.29 .40 .50 .67 1.0
6	1	1	480	.002	.14 .20 .25 .33 .50 1.0
7	0	0	480	.000	.00 .00 .10 .10 .10 .00 .00 .00
8	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
9	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
10	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
11	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
12	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
13	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
14	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
15	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
16	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
17	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
18	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
19	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
20	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run

N_{ri} : Number of runs of exact length i

N_i : Number of runs equal to or greater than i

N : Total number of observations

P_i : The probability of a run of length i

P_c→ : Conditional probabilities

j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i N_{ri} N_i N P_i P_c→

Table A.12.050

Conditional probabilities of the maximum wind speed equal to or greater than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c→ : Conditional probabilities
j : Number of periods to be added to i

1	9	177	496	.357	1.0
2	9	138	496	.278	.75 1.0
3	6	108	496	.214	.61 .75 1.0
4	3	86	496	.173	.49 .62 .80 1.0
5	1	70	496	.141	.40 .51 .65 .81 1.0
6	2	38	496	.117	.33 .42 .54 .67 .83 1.0
7	3	47	496	.095	.27 .34 .44 .55 .67 .81 1.0
8	1	38	496	.077	.21 .28 .35 .44 .54 .66 .81 1.0
9	0	32	496	.065	.18 .23 .30 .37 .44 .55 .69 .84 1.0
10	0	27	496	.054	.15 .20 .25 .31 .39 .47 .57 .71 .84 1.0
11	0	22	496	.044	.12 .16 .20 .26 .31 .38 .47 .59 .69 .81 1.0
12	2	17	496	.034	.10 .12 .16 .20 .24 .29 .36 .45 .53 .63 .77 1.0
13	0	12	496	.024	.07 .09 .11 .14 .17 .21 .26 .32 .38 .44 .55 .71 1.0
14	1	9	496	.018	.05 .07 .08 .10 .13 .16 .19 .24 .28 .33 .41 .53 .75 1.0
15	1	6	496	.012	.03 .04 .06 .07 .09 .10 .13 .16 .19 .22 .27 .35 .50 .67 1.0
16	0	4	496	.008	.02 .03 .04 .05 .06 .07 .09 .11 .13 .15 .18 .24 .33 .44 .67 1.0
17	0	3	496	.006	.02 .02 .03 .03 .04 .05 .06 .09 .11 .14 .18 .25 .33 .50 .75 1.0
18	0	2	496	.004	.01 .01 .02 .02 .03 .03 .04 .05 .06 .07 .09 .12 .17 .22 .33 .50 .67 1.0
19	1	1	496	.002	.01 .01 .01 .01 .01 .01 .02 .02 .03 .03 .04 .05 .06 .08 .11 .17 .25 .33 .50 1.0
20	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Conditional probabilities of the maximum wind speed equal to or greater than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956-1963.

Conditional probabilities of the maximum wind speed equal to or greater than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956-1963.

Table A.12.075						Conditional probabilities of the maximum wind speed equal to or greater than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956-1963.																							
i	N _{ri}	N _i	N	P _i	P _C																								
1	7	16	496	.032	1.0																								
2	1	6	496	.012	.38	1.0																							
3	1	3	496	.006	.19	.50	1.0																						
4	1	1	496	.002	.06	.17	.33	1.0																					
5	0	0	496	.000	.00	.00	.00	.00	.00																				
6	0	0	496	.000	.00	.00	.00	.00	.00	.00																			
7	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00																		
8	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00																	
9	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00																
10	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00															
11	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00														
12	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00													
13	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00												
14	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											
15	0	0	496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										

Table A.12.080					Conditional probabilities of the maximum wind speed equal to or greater than 80 mps in the 10-15 km layer, over Cape Kennedy, Florida in December. The period of record is 1956-1963.																						
i	N _{ri}	N _i	N	P _i	P _c																						
1	2		4	.496	.008	1.0																					
2	1	1	.496	.002	.25	1.0																					
3	0	0	.496	.000	.00	.00	.00																				
4	0	0	.496	.000	.00	.00	.00	.00																			
5	0	0	.496	.000	.00	.00	.00	.00	.00																		
6	0	0	.496	.000	.00	.00	.00	.00	.00	.00																	
7	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00																
8	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00															
9	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00														
10	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00													
11	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00												
12	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											
13	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00										
14	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00									
15	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								
16	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
17	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						
18	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					
19	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				
20	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			
21	0	0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		
22	0	0	.496	.000	.00	.00	.00	.00</																			

[illegible]

PREDICTION OF MAXIMUM WIND

CAPE KENNEDY, FLORIDA

(Appendix B)

CONDITIONAL PROBABILITIES

[illegible]

Table B 01.030				Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in January.		The period of record is 1956-1963.	
i	N _{ri}	N _i	N	P _i	P _c		
1	7	31	496	.063	1.0		
2	5	18	496	.036	.58		
3	0	12	496	.024	.39		
4	0	11	496	.022	.35		
5	1	10	496	.020	.32		
6	0	9	496	.018	.29		
7	0	9	496	.018	.29		
8	0	9	496	.018	.29		
9	0	9	496	.018	.29		
10	0	9	496	.018	.29		
11	0	9	496	.018	.29		
12	0	9	496	.018	.29		
13	0	9	496	.018	.29		
14	0	9	496	.018	.29		
15	0	9	496	.018	.29		
16	0	9	496	.018	.29		
17	0	8	496	.016	.26		
18	0	7	496	.014	.23		
19	0	6	496	.012	.19		
20	0	5	496	.010	.16		
21	0	4	496	.008	.13		
22	0	3	496	.006	.10		
23	0	2	496	.004	.06		
24	1	1	496	.002	.03		
25	0	0	496	.000	.00		
26	0	0	496	.000	.00		
27	0	0	496	.000	.00		
28	0	0	496	.000	.00		
29	0	0	496	.000	.00		
30	0	0	496	.000	.00		
31	0	0	496	.000	.00		
32	0	0	496	.000	.00		
33	0	0	496	.000	.00		
34	0	0	496	.000	.00		
35	0	0	496	.000	.00		
36	0	0	496	.000	.00		
37	0	0	496	.000	.00		
38	0	0	496	.000	.00		
39	0	0	496	.000	.00		
40	0	0	496	.000	.00		
41	0	0	496	.000	.00		
42	0	0	496	.000	.00		
43	0	0	496	.000	.00		
44	0	0	496	.000	.00		
45	0	0	496	.000	.00		
46	0	0	496	.000	.00		
47	0	0	496	.000	.00		
48	0	0	496	.000	.00		
49	0	0	496	.000	.00		
50	0	0	496	.000	.00		
51	0	0	496	.000	.00		
52	0	0	496	.000	.00		
53	0	0	496	.000	.00		
54	0	0	496	.000	.00		
55	0	0	496	.000	.00		
56	0	0	496	.000	.00		

Table B.01.035										Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in January.										The period of record is 1956-1963.																					
i	N _{ri}	N _i	N	P _i	P _C																																				
1	6	62	496	.125	1.0																																				
2	5	43	496	.087	.69	1.0																																			
3	4	30	496	.063	.48	.70	1.0																																		
4	0	22	496	.044	.35	.51	.73	1.0																																	
5	2	18	496	.036	.29	.42	.53	.82	1.0																																
6	1	14	496	.028	.23	.33	.47	.54	.73	1.0																															
7	0	12	496	.024	.19	.28	.40	.55	.67	.95	1.0																														
8	1	11	496	.022	.18	.26	.37	.50	.61	.79	.92	1.0																													
9	0	10	496	.020	.16	.23	.33	.45	.56	.71	.83	.91	1.0																												
10	0	10	496	.020	.16	.23	.33	.45	.56	.71	.83	.91	1.0	1.0																											
11	0	10	496	.020	.16	.23	.33	.45	.56	.71	.83	.91	1.0	1.0	1.0																										
12	0	10	496	.020	.16	.23	.33	.45	.56	.71	.83	.91	1.0	1.0	1.0	1.0																									
13	0	10	496	.020	.16	.23	.33	.45	.56	.71	.83	.91	1.0	1.0	1.0	1.0	1.0																								
14	0	10	496	.020	.16	.23	.33																																		

i : Number of 12-hour periods in the run
 r_i : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 \rightarrow : Conditional probabilities
 j : Number of periods to be added to i

[illegible]

Table B.01.055										Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in January.		The period of record is 1956-1963.																			
i	N _{Ri}	N _i	N	P _i	P _C																										
1	12	322	496	.649	1.0																										
2	10	277	496	.558	.86	1.0																									
3	6	244	496	.492	.76	.88	1.0																								
4	4	221	496	.446	.69	.80	.91	1.0																							
5	2	204	496	.411	.63	.74	.84	.92	1.0																						
6	1	191	496	.385	.59	.69	.78	.86	.94	1.0																					
7	2	180	496	.363	.56	.65	.74	.81	.88	.94	1.0																				
8	1	170	496	.343	.53	.61	.70	.77	.83	.89	.94	1.0																			
9	0	161	496	.325	.50	.58	.66	.73	.79	.84	.89	.95	1.0																		
10	1	153	496	.308	.48	.55	.63	.69	.75	.80	.85	.90	.95	1.0																	
11	0	144	496	.290	.45	.52	.59	.65	.71	.75	.80	.85	.89	.94	1.0																
12	0	136	496	.274	.42	.49	.56	.62	.67	.71	.76	.80	.84	.89	.94	1.0															
13	2	128	496	.258	.40	.46	.52	.58	.63	.67	.71	.75	.80	.84	.89	.94	1.0														
14	3	120	496	.242	.37	.43	.49	.54	.59	.63	.67	.71	.75	.78	.83	.88	.94	1.0													
15	1	114	496	.230	.35	.41	.47	.52	.56	.60	.63	.67	.71	.75	.79	.84	.89	.95	1.0												
16	0	111	496	.224	.34	.40	.45	.50	.54	.58	.62	.65	.69	.73	.77	.82	.87	.93	.97	1.0											
17	0	109	496	.220	.34	.39	.45	.49	.53	.57	.61	.64	.68	.71	.76	.80	.85	.91	.96	.98	1.0										
18	0	107	496	.216	.33	.39	.44	.48	.52	.56	.59	.63	.66	.70	.74	.79	.84	.89	.94	.96	.98	1.0									
19	1	105	496	.212	.33	.38	.43	.48	.51	.55	.58	.62	.65	.69	.73	.77	.82	.88	.92	.95	.96	.98	1.0								
20	0	103	496	.208	.32	.37	.42	.46	.50	.54	.57	.61	.64	.67	.72	.76	.80	.86	.90	.93	.94	.96	.98	1.0							
21	0	102	496	.206	.32	.37	.42	.																							

[illegible]

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
j : Number of periods to be added to i

1	4	417	498	.841	1.0
2	1	394	498	.794	.94 1.0
3	2	375	498	.756	.90 .95 1.0
4	1	357	498	.720	.86 .91 .95 1.0
5	1	341	498	.688	.82 .87 .91 .96 1.0
6	4	324	498	.653	.78 .82 .86 .91 .95 1.0
7	1	308	498	.621	.74 .78 .82 .86 .90 .95 1.0
8	3	296	498	.597	.71 .75 .79 .83 .87 .91 .96 1.0
9	2	283	498	.575	.68 .72 .76 .80 .84 .88 .93 .96 1.0
10	2	277	498	.558	.66 .70 .74 .78 .81 .85 .90 .94 .97 1.0
11	0	271	498	.546	.65 .69 .72 .76 .79 .84 .88 .92 .95 .98 1.0
12	0	266	498	.536	.64 .68 .71 .75 .78 .82 .86 .90 .93 .96 .98 1.0
13	0	261	498	.526	.63 .66 .70 .73 .77 .81 .85 .88 .92 .94 .96 .98 1.0
14	0	254	498	.516	.61 .65 .68 .72 .75 .79 .83 .86 .90 .92 .94 .96 .98 1.0
15	1	251	498	.506	.60 .64 .67 .70 .74 .77 .81 .85 .88 .91 .93 .94 .96 .98 1.0
16	1	246	498	.496	.59 .62 .66 .69 .72 .76 .80 .83 .86 .89 .91 .92 .94 .96 .98 1.0
17	0	242	498	.488	.58 .61 .65 .68 .71 .75 .79 .82 .85 .87 .89 .91 .93 .95 .96 .98 1.0
18	0	239	498	.482	.57 .61 .64 .67 .70 .74 .78 .81 .84 .86 .88 .90 .92 .93 .95 .97 .99 1.0
19	0	236	498	.476	.57 .60 .63 .66 .69 .73 .77 .80 .83 .85 .87 .89 .90 .92 .94 .96 .98 .99 1.0
20	0	233	498	.470	.56 .59 .62 .65 .68 .72 .76 .79 .82 .84 .86 .88 .89 .91 .93 .95 .96 .97 .99 1.0
21	0	230	498	.464	.55 .58 .61 .64 .67 .71 .75 .78 .81 .83 .85 .86 .88 .90 .92 .93 .95 .96 .97 .99 1.0
22	0	227	498	.458	.54 .58 .61 .64 .67 .70 .74 .77 .80 .82 .84 .85 .87 .89 .90 .92 .94 .95 .96 .97 .99 1.0
23	0	224	498	.452	.54 .57 .60 .63 .66 .69 .73 .76 .79 .81 .83 .84 .86 .88 .89 .91 .93 .94 .95 .96 .97 .99 1.0
24	0	221	498	.446	.53 .56 .59 .62 .65 .68 .72 .75 .78 .80 .82 .83 .85 .86 .88 .90 .91 .92 .94 .95 .96 .97 .99 1.0
25	1	218	498	.440	.52 .55 .58 .61 .64 .67 .71 .74 .76 .79 .80 .82 .84 .85 .87 .89 .90 .91 .92 .94 .95 .96 .97 .99 1.0
26	0	214	498	.431	.51 .54 .57 .60 .63 .66 .69 .72 .75 .77 .79 .80 .82 .84 .85 .87 .88 .90 .91 .92 .93 .94 .96 .97 .98 1.0
27	0	211	498	.425	.51 .54 .56 .59 .62 .65 .69 .71 .74 .76 .78 .79 .81 .82 .84 .86 .87 .88 .89 .91 .92 .93 .94 .95 .97 .99 1.0
28	0	208	498	.419	.50 .53 .55 .58 .61 .64 .68 .70 .73 .75 .77 .78 .80 .81 .83 .85 .86 .87 .88 .89 .90 .92 .93 .94 .95 .97 .99 1.0
29	0	205	498	.413	.49 .52 .55 .57 .60 .63 .67 .69 .72 .74 .76 .77 .79 .80 .82 .83 .85 .86 .87 .88 .89 .90 .92 .93 .94 .96 .97 .99 1.0
30	0	202	498	.407	.48 .51 .54 .57 .59 .62 .65 .68 .71 .73 .75 .76 .77 .79 .80 .82 .83 .85 .86 .87 .88 .89 .90 .91 .93 .94 .96 .97 .99 1.0
31	0	199	498	.401	.48 .51 .53 .56 .58 .61 .65 .67 .70 .72 .73 .75 .76 .78 .79 .81 .82 .83 .84 .85 .87 .88 .89 .90 .91 .93 .94 .96 .97 1.0
32	0	196	498	.395	.47 .50 .52 .55 .57 .60 .64 .66 .69 .71 .72 .74 .75 .77 .78 .80 .81 .82 .83 .84 .85 .86 .88 .89 .90 .92 .93 .94 .96 1.0
33	0	193	498	.389	.46 .49 .51 .54 .57 .60 .63 .65 .68 .70 .71 .73 .74 .75 .77 .78 .80 .81 .82 .83 .84 .85 .86 .87 .89 .90 .91 .93 .94 1.0
34	0	190	498	.383	.46 .48 .51 .53 .56 .59 .62 .64 .67 .69 .70 .71 .73 .74 .76 .77 .79 .79 .81 .82 .83 .84 .85 .86 .87 .89 .90 .91 .93 1.0
35	0	187	498	.377	.45 .47 .50 .52 .55 .58 .61 .63 .66 .68 .69 .70 .72 .73 .75 .76 .77 .78 .79 .80 .81 .82 .83 .85 .86 .87 .89 .90 .91 1.0
36	0	184	498	.371	.44 .47 .49 .52 .54 .57 .60 .62 .65 .66 .68 .69 .70 .72 .73 .75 .76 .77 .78 .79 .80 .81 .82 .83 .85 .86 .87 .89 .90 1.0
37	0	181	498	.365	.43 .46 .48 .51 .53 .56 .59 .61 .64 .65 .67 .68 .69 .71 .72 .74 .75 .76 .77 .78 .79 .80 .81 .82 .83 .85 .86 .87 .88 1.0
38	0	178	498	.359	.43 .45 .47 .50 .52 .55 .58 .60 .62 .64 .66 .67 .68 .70 .71 .72 .74 .74 .75 .76 .77 .78 .79 .81 .82 .83 .84 .86 .87 1.0
39	0	175	498	.353	.42 .44 .47 .49 .51 .54 .57 .59 .61 .63 .65 .66 .67 .68 .70 .71 .7

Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

Table B.01.070				Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in January.																									
				The period of record is 1956-1963.																									
i	N _{ri}	N _i	N	P _i	P _c																								
1	5	441	496	.889	1.0																								
2	0	419	496	.845	.95	1.0																							
3	3	402	496	.810	.91	.96	1.0																						
4	1	385	496	.776	.87	.92	.96	1.0																					
5	0	371	496	.748	.84	.89	.92	.96	1.0																				
6	2	358	496	.727	.81	.85	.89	.93	.96	1.0																			
7	1	344	496	.694	.78	.82	.86	.89	.93	.96	1.0																		
8	1	332	496	.669	.75	.79	.83	.86	.89	.93	.97	1.0																	
9	1	321	496	.647	.73	.77	.80	.83	.87	.90	.93	.97	1.0																
10	1	311	496	.627	.71	.74	.77	.81	.84	.87	.90	.94	.97	1.0															
11	1	302	496	.609	.68	.72	.75	.78	.81	.84	.88	.91	.94	.97	1.0														
12	3	293	496	.591	.65	.70	.73	.76	.79	.82	.85	.88	.91	.94	.97	1.0													
13	0	285	496	.575	.65	.68	.71	.74	.77	.80	.83	.86	.89	.92	.94	.97	1.0												
14	1	279	496	.563	.63	.67	.69	.72	.75	.78	.81	.84	.87	.90	.92	.95	.98	1.0											
15	0	273	496	.550	.62	.65	.68	.71	.74	.76	.79	.82	.85	.88	.90	.93	.96	.98	1.0										
16	2	268	496	.540	.61	.64	.67	.70	.72	.75	.78	.81	.83	.86	.89	.91	.94	.96	.98	1.0									
17	0	263	496	.530	.60	.63	.65	.68	.71	.73	.76	.79	.82	.85	.87	.90	.92	.94	.96	.98	1.0								
18	0	260	496	.524	.59	.62	.65	.68	.70	.73	.76	.78	.81	.84	.86	.89	.91	.93	.95	.97	.99	1.0							
19	0	257	496	.518	.58	.61	.64	.67	.69	.72	.75	.77	.80	.83	.85	.88	.90	.92	.94	.96	.98	.99	1.0						
20	0	254	496	.512	.58	.61	.63	.66	.68	.71	.74	.77	.79	.82	.84	.87	.89	.91	.93	.95	.97	.98	.99	1.0					
21	0	251	496	.506	.57	.60	.62	.65	.68	.70	.73	.76	.78	.81	.83	.86	.88	.90	.92	.94	.95	.97	.98	.99	1.0				
22	0	248	496	.500	.56	.59	.62	.64	.67	.69	.72	.75	.77	.80	.82	.85	.87	.89	.91	.93	.94	.95	.96	.98	.99	1.0			
23	0	245	496	.494	.56	.58	.61	.64	.66	.68	.71	.74	.76	.79	.81	.84	.86	.88	.90	.91	.93	.94	.95	.96	.98	.99	1.0		
24	0	242	496	.488	.55	.58	.60	.63	.65	.68	.70	.73	.75	.78	.80	.83	.85	.87	.89	.90	.92	.93	.94	.95	.96	.98	.99	1.0	
25	0	239	496	.482	.54	.57	.59	.62	.64	.67	.69	.72	.74	.77	.79	.82	.84	.86	.88	.89	.91	.92	.93	.94	.95	.96	.98	.99	1.0
26	0	236	496	.476	.54	.56	.59	.61	.64	.66	.69	.71	.74	.76</															

Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in January.
The period of record is 1956-1963.

1	N_{r_i}	N_i	N	P_i	P_c	Table B.01.080		Conditional probabilities of the maximum wind speed	
1	0	479	.496	.966	1.0	of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in January.		The period of record is 1956-1963.	
2	2	469	.496	.946	.98				
3	0	458	.496	.923	.96				
4	1	449	.496	.909	.94	i : Number of 12-hour periods in the run		N _{r_i} : Number of runs of exact length i	
5	0	440	.496	.887	.92				
6	0	432	.496	.871	.90				
7	1	424	.496	.855	.89	N _i : Number of runs equal to or greater than i		N : Total number of observations	
8	1	416	.496	.839	.87				
9	0	409	.496	.825	.85				
10	0	403	.496	.813	.84	P _i : The probability of a run of length i		P _c : Conditional probabilities	
11	1	397	.496	.800	.83				
12	1	391	.496	.788	.82				
13	1	386	.496	.778	.81	j : Number of periods to be added to i			
14	0	382	.496	.770	.80				
15	1	379	.496	.764	.79				
16	0	376	.496	.758	.78				
17	0	373	.496	.752	.78				
18	0	370	.496	.746	.77				
19	1	367	.496	.740	.77				
20	0	364	.496	.734	.76				
21	0	352	.496	.730	.76				
22	0	359	.496	.724	.75				
23	0	356	.496	.718	.74				
24	0	353	.496	.712	.74				
25	0	350	.496	.706	.73				
26	0	347	.496	.700	.72				
27	1	344	.496	.694	.72				
28	0	341	.496	.688	.71				
29	0	339	.496	.683	.71				
30	0	337	.496	.679	.70				
31	0	335	.496	.675	.70				
32	0	333	.496	.671	.70				
33	0	331	.496	.667	.69				
34	0	329	.496	.663	.69				
35	0	327	.496	.659	.68				
36	0	325	.496	.655	.68				
37	0	323	.496	.651	.67				
38	0	321	.496	.647	.67				
39	0	319	.496	.643	.67				
40	0	317	.496	.639	.66				
41	1	314	.496	.633	.66				
42	0	311	.496	.627	.65				
43	0	309							

i	N _{ri}	N _i	N	P _i	P _C	Table B.01.090		Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in January.		The period of record is 1956-1963.																				
1	0	495	496	.998	1.0																									
2	0	494	496	.996	.99	1.0																								
3	1	493	496	.994	.99	.99	1.0																							
4	0	491	496	.990	.99	.99	.99	1.0																						
5	0	490	496	.988	.99	.99	.99	.99	1.0																					
6	0	489	496	.986	.99	.99	.99	.99	.99	1.0																				
7	0	488	496	.984	.99	.99	.99	.99	.99	.99	1.0																			
8	0	487	496	.982	.98	.99	.99	.99	.99	.99	.99	1.0																		
9	0	486	496	.980	.98	.98	.99	.99	.99	.99	.99	.99	1.0																	
10	0	485	496	.978	.98	.98	.98	.99	.99	.99	.99	.99	.99	1.0																
11	0	484	496	.976	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0															
12	0	483	496	.974	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0														
13	0	482	496	.972	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0													
14	0	481	496	.970	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0												
15	0	480	496	.968	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0											
16	0	479	496	.966	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	.99	1.0										
17	0	477	496	.962	.96	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	.99	1.0									
18	0	475	496	.958	.96	.96	.96	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	1.0									
19	0	473	496	.954	.96	.96	.96	.96	.96	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	1.0								
20	0	471	496	.950	.95	.95	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	1.0					
21	0	469	496	.946	.95	.95	.95	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	1.0				
22	0	467	496	.942	.94	.95	.95	.95	.95	.95	.96	.96	.96	.96	.96	.97	.97	.97	.97	.97	.98	.98	.99	.99	.99	1.0				
23	0	465	496	.938	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.96	.97	.97	.97	.97	.97	.98	.98	.99	.99	.99	1.0			
24	0	463	496	.933	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.96	.97	.97	.97	.97	.97	.98	.98	.99	.99	.99	1.0		
25	0	461	496	.929	.93	.93	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	1.0		
26	0	459	496	.925	.93	.93	.93	.93	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.96	.96	.96	.97	.97	.97	.98	.98	.99	.99	1.0	
27	0	457	496	.921	.92	.93	.93	.93	.93	.93	.94	.94	.94	.94	.94	.95	.95	.95	.95	.95	.95	.96	.96	.97	.97	.97	.98	.98	.99	.99

Table B.02.025					Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956-1963.																															
i	N _{Ri}	N _i	N	P _i	P _{C→}																															
1	10	39	452	.086	1.0																															
2	4	23	452	.051	.59	1.0																														
3	1	16	452	.035	.41	.70	1.0																													
4	0	13	452	.029	.33	.57	.81	1.0																												
5	1	11	452	.024	.28	.48	.69	.85	1.0																											
6	0	9	452	.020	.23	.39	.56	.69	.82	1.0																										
7	0	8	452	.018	.21	.35	.50	.62	.73	.89	1.0																									
8	0	7	452	.015	.18	.30	.44	.54	.64	.78	.98	1.0																								
9	0	6	452	.013	.15	.26	.38	.46	.55	.67	.75	.86	1.0																							
10	0	5	452	.011	.13	.22	.31	.38	.45	.56	.63	.71	.83	1.0																						
11	0	4	452	.009	.10	.17	.25	.31	.36	.44	.50	.57	.67	.80	1.0																					
12	0	3	452	.007	.08	.13	.19	.23	.27	.33	.38	.43	.50	.60	.7																					

[illegible]

[illegible]

[illegible]

[illegible]

of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in February
The period of record is 1956-1963.

i	8	243	452	.538	1.0
2	4	211	452	.467	.87 1.0
3	3	187	452	.414	.77 .89 1.0
4	0	167	452	.369	.69 .79 .87 1.0
5	3	149	452	.330	.61 .71 .80 .89 1.0
6	2	131	452	.290	.56 .62 .70 .78 .89 1.0
7	3	115	452	.254	.47 .55 .61 .69 .77 .88 1.0
8	4	101	452	.223	.42 .48 .55 .60 .68 .77 .89 1.0
9	0	90	452	.199	.37 .43 .48 .54 .60 .69 .78 .89 1.0
10	0	83	452	.184	.34 .39 .44 .50 .55 .63 .72 .82 .92 1.0
11	0	76	452	.163	.31 .36 .41 .46 .51 .58 .66 .75 .84 .92 1.0
12	0	69	452	.153	.28 .33 .37 .41 .46 .53 .60 .68 .77 .83 .91 1.0
13	0	62	452	.137	.26 .29 .33 .37 .42 .47 .54 .61 .69 .75 .82 .90 1.0
14	0	55	452	.122	.23 .26 .29 .33 .37 .42 .48 .54 .61 .66 .72 .80 .89 1.0
15	1	48	452	.106	.20 .23 .25 .29 .32 .37 .42 .48 .53 .58 .63 .70 .77 .87 1.0
16	0	41	452	.091	.17 .19 .22 .25 .28 .31 .36 .41 .46 .49 .54 .59 .66 .75 .85 1.0
17	0	35	452	.077	.14 .17 .19 .21 .23 .27 .30 .35 .39 .42 .46 .51 .56 .64 .73 .85 1.0
18	3	29	452	.064	.12 .14 .16 .17 .19 .22 .25 .29 .32 .35 .38 .42 .47 .53 .60 .71 .83 1.0
19	0	23	452	.051	.09 .11 .12 .14 .15 .18 .20 .23 .26 .29 .33 .37 .42 .48 .56 .66 .79 1.0
20	0	19	452	.042	.08 .10 .10 .11 .13 .15 .17 .19 .21 .23 .25 .28 .31 .35 .40 .46 .54 .66 .83 1.0
21	2	15	452	.033	.06 .07 .08 .09 .10 .11 .13 .15 .17 .18 .20 .22 .24 .27 .31 .37 .43 .52 .65 .79 1.0
22	0	11	452	.024	.05 .05 .06 .07 .07 .08 .10 .11 .12 .13 .14 .16 .18 .20 .23 .27 .31 .38 .48 .58 .73 1.0
23	1	9	452	.020	.04 .04 .05 .05 .06 .07 .08 .09 .10 .11 .12 .13 .15 .16 .19 .22 .26 .31 .39 .47 .60 .82 1.0
24	0	7	452	.015	.03 .03 .04 .04 .05 .05 .06 .07 .08 .09 .10 .11 .13 .15 .17 .20 .24 .30 .37 .47 .64 .78 1.0
25	0	6	452	.013	.02 .03 .03 .04 .04 .05 .05 .06 .07 .07 .08 .09 .10 .11 .13 .15 .17 .21 .26 .32 .40 .55 .67 .85 1.0
26	0	5	452	.011	.02 .02 .03 .03 .03 .04 .05 .06 .06 .07 .07 .08 .09 .10 .12 .14 .17 .22 .26 .33 .45 .56 .71 .83 1.0
27	0	4	452	.009	.02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .05 .06 .06 .07 .08 .10 .11 .14 .17 .21 .27 .35 .44 .57 .67 .80 1.0
28	1	3	452	.007	.01 .01 .02 .02 .02 .02 .03 .03 .04 .04 .04 .05 .05 .06 .07 .09 .10 .13 .16 .20 .27 .33 .43 .50 .60 .75 1.0
29	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=0
30	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=1
31	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=2
32	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=3
33	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=4
34	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=5
35	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0
36	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0
37	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0
38	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0
39	0	2	452	.004	.01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .03 .03 .03 .04 .04 .05 .06 .07 .09 .11 .13 .18 .22 .29 .33 .40 .50 .67 1.0 j=10

Table B.02.055										Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in February. The period of record is 1956-1963.																			
i	N _{ri}	N _i	N	P _i	P _C																								
1	8	287	452	.635	1.0																								
2	2	257	452	.567	.90	1.0																							
3	3	235	452	.520	.82	.91	1.0																						
4	1	215	452	.476	.75	.84	.91	1.0																					
5	1	198	452	.438	.69	.77	.84	.92	1.0																				
6	1	181	452	.400	.63	.73	.77	.84	.91	1.0																			
7	1	165	452	.365	.57	.66	.70	.77	.83	.91	1.0																		
8	2	150	452	.332	.52	.59	.66	.70	.76	.83	.91	1.0																	
9	2	135	452	.299	.47	.53	.57	.63	.68	.75	.82	.93	1.0																
10	0	122	452	.270	.43	.47	.52	.57	.62	.67	.74	.81	.90	1.0															
11	0	111	452	.246	.39	.43	.47	.52	.56	.61	.67	.74	.82	.91	1.0														
12	2	100	452	.221	.35	.39	.43	.47	.51	.55	.61	.67	.74	.82	.90	1.0													
13	0	89	452	.197	.31	.35	.38	.41	.45	.49	.54	.59	.66	.73	.80	.89	1.0												
14	1	80	452	.177	.28	.31	.34	.37	.40	.44	.48	.53	.59	.66	.72	.80	.90	1.0											
15	1	71	452	.157	.25	.28	.30	.33	.35	.39	.43	.47	.53	.59	.64	.71	.80	.89	1.0										
16	0	63	452	.139	.22	.25	.27	.29	.32	.35	.38	.42	.47	.52	.57	.63	.71	.79	.89	1.0									
17	1	56	452	.124	.20	.22	.24	.26	.28	.31	.34	.37	.41	.46	.50	.56	.63	.70	.79	.89	1.0								
18	0	49	452	.108	.17	.19	.21	.23	.25	.27	.30	.33	.36	.40	.44	.49	.55	.61	.69	.78	.88	1.0							
19	1	43	452	.095	.15	.17	.18	.20	.22	.24	.26	.29	.32	.35	.39	.43	.48	.54	.61	.68	.77	.88	1.0						
20	0	36	452	.080	.13	.14	.15	.17	.18	.20	.22	.24	.27	.30	.32	.36	.40	.45	.51	.57	.64	.73	.84	1.0					
21	1	30	452	.066	.10	.12	.13	.14	.15	.17	.18	.20	.22	.25	.27	.30	.34	.38	.42	.48	.54	.61	.70	.83	1.0				
22	2	24	452	.053	.08	.09	.10	.11	.12	.13	.15	.16	.18	.20	.22	.24	.27	.30	.34	.38	.43	.49	.56	.67	.80	1.0			
23	0	19	452	.04																									

Table B.02.060										Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in February.										The period of record is 1956-1963.																				
i	N _i	N _i	N	P _i	P _C																																			
1	8	325	452	.719	1.0																																			
2	6	297	452	.657	.91	1.0																																		
3	3	276	452	.611	.85	.93	1.0																																	
4	1	261	452	.577	.80	.88	.95	1.0																																
5	2	248	452	.549	.76	.84	.93	.95	1.0																															
6	0	236	452	.522	.73	.79	.86	.90	.95	1.0																														
7	2	225	452	.498	.69	.76	.82	.86	.91	.95	1.0																													
8	0	214	452	.473	.66	.72	.78	.82	.86	.91	.95	1.0																												
9	2	204	452	.451	.63	.69	.74	.78	.82	.86	.91	.95	1.0																											
10	0	194	452	.429	.60	.65	.70	.74	.78	.82	.86	.91	.95	1.0																										
11	0	186	452	.412	.57	.63	.67	.71	.75	.79	.83	.87	.91	.96	1.0																									
12	0	178	452	.394	.55	.60	.64	.68	.72	.75	.79	.83	.87	.92	.95	1.0																								
13	2	170	452	.376	.52	.57	.62	.65	.69	.72	.76	.79	.83	.88	.91	.96	1.0																							
14	0	162	452	.358	.50																																			

Table B.02.065

Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in February.

The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_{C_j} : Conditional probabilities
 j : Number of periods to be added to i

$i \backslash j$	N_{ri}	N_i	N	P_i	P_{C_j}
1	4	363	452	.803	1.0
2	2	340	452	.752	.94 1.0
3	4	320	452	.708	.88 .94 1.0
4	4	302	452	.664	.83 .89 .94 1.0
5	3	288	452	.637	.79 .85 .90 .95 1.0
6	1	277	452	.613	.76 .81 .87 .92 .96 1.0
7	1	268	452	.593	.74 .79 .84 .89 .93 .97 1.0
8	0	240	452	.575	.72 .76 .81 .86 .90 .94 .97 1.0
9	0	233	452	.560	.70 .74 .79 .84 .88 .91 .94 .97 1.0
10	2	244	452	.540	.67 .72 .76 .81 .85 .88 .91 .94 .96 1.0
11	0	235	452	.520	.65 .69 .73 .78 .82 .85 .88 .90 .93 .96 1.0
12	0	228	452	.504	.63 .67 .71 .75 .79 .82 .85 .88 .90 .93 .97 1.0
13	1	221	452	.489	.61 .65 .69 .73 .77 .80 .82 .85 .87 .91 .94 .97 1.0
14	0	214	452	.473	.59 .63 .67 .71 .74 .77 .80 .82 .85 .88 .91 .94 .97 1.0
15	1	208	452	.460	.57 .61 .65 .69 .72 .76 .78 .80 .82 .85 .89 .91 .94 .97 1.0
16	0	202	452	.447	.56 .59 .63 .67 .70 .73 .75 .78 .80 .83 .86 .89 .91 .94 .97 1.0
17	0	197	452	.436	.54 .58 .62 .65 .68 .71 .74 .76 .78 .81 .84 .86 .89 .92 .95 .98 1.0
18	0	192	452	.425	.53 .56 .60 .64 .67 .69 .72 .74 .76 .79 .82 .84 .87 .90 .92 .95 .97 1.0
19	0	187	452	.414	.52 .55 .58 .62 .65 .68 .70 .72 .74 .77 .80 .82 .85 .87 .90 .93 .95 .97 1.0
20	0	182	452	.403	.50 .54 .57 .60 .63 .66 .68 .70 .72 .75 .77 .80 .82 .85 .88 .90 .92 .95 .97 1.0
21	0	177	452	.392	.49 .52 .55 .59 .61 .64 .66 .68 .70 .73 .75 .78 .80 .83 .85 .88 .90 .92 .95 .97 1.0
22	0	172	452	.381	.47 .51 .54 .57 .60 .62 .64 .66 .68 .70 .73 .75 .78 .80 .83 .85 .87 .90 .92 .95 .97 1.0
23	0	167	452	.369	.46 .49 .52 .55 .58 .60 .62 .64 .66 .68 .71 .73 .76 .78 .80 .83 .85 .87 .89 .92 .94 .97 1.0
24	1	162	452	.358	.45 .48 .51 .54 .56 .58 .60 .62 .64 .66 .69 .71 .73 .76 .78 .80 .82 .84 .86 .89 .92 .94 .97 1.0
25	0	157	452	.347	.43 .46 .49 .52 .55 .57 .59 .60 .62 .64 .66 .69 .71 .73 .75 .78 .80 .82 .84 .86 .89 .91 .94 .97 1.0
26	0	153	452	.338	.42 .45 .48 .51 .53 .55 .57 .59 .60 .63 .65 .67 .69 .71 .74 .76 .78 .80 .82 .84 .86 .89 .92 .94 .97 1.0
27	0	149	452	.330	.41 .44 .47 .49 .52 .54 .56 .57 .59 .61 .63 .65 .67 .70 .72 .74 .76 .78 .80 .82 .84 .87 .89 .92 .95 .97 1.0
28	0	145	452	.321	.40 .43 .45 .48 .50 .52 .54 .56 .57 .59 .62 .64 .66 .68 .70 .72 .74 .76 .78 .80 .82 .84 .87 .90 .92 .95 .97 1.0
29	0	140	452	.310	.39 .41 .44 .46 .49 .51 .52 .54 .55 .57 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .84 .86 .89 .92 .94 .97 1.0
30	0	135	452	.299	.37 .40 .42 .45 .47 .49 .50 .52 .53 .55 .57 .59 .61 .63 .65 .67 .69 .70 .72 .74 .76 .78 .81 .83 .86 .88 .91 .93 .96 1.0
31	0	130	452	.288	.36 .38 .41 .43 .45 .47 .49 .50 .51 .53 .55 .57 .59 .61 .63 .64 .66 .68 .70 .71 .73 .76 .78 .80 .83 .85 .87 .90 .93 1.0
32	0	125	452	.277	.34 .37 .39 .41 .43 .45 .47 .48 .49 .51 .53 .55 .57 .58 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .80 .82 .84 .86 .89 1.0
33	0	120	452	.265	.33 .35 .38 .40 .42 .43 .45 .46 .47 .49 .51 .53 .54 .56 .58 .59 .61 .63 .64 .66 .68 .70 .72 .74 .76 .78 .81 .83 .86 1.0
34	0	115	452	.254	.32 .34 .36 .38 .40 .42 .43 .44 .45 .47 .49 .50 .52 .54 .55 .57 .58 .60 .61 .63 .65 .67 .69 .71 .73 .75 .77 .79 .82 1.0
35	0	110	452	.243	.30 .32 .34 .36 .38 .40 .41 .42 .43 .45 .47 .48 .50 .51 .53 .54 .56 .57 .59 .60 .62 .64 .66 .68 .70 .72 .74 .76 .79 1.0
36	0	105	452	.232	.29 .31 .33 .35 .36 .38 .39 .40 .42 .43 .45 .46 .48 .49 .50 .52 .53 .55 .56 .58 .59 .61 .63 .65 .67 .69 .70 .72 .75 1.0
37	0	100	452	.221	.28 .29 .31 .33 .35 .36 .38 .39 .40 .41 .43 .44 .45 .47 .48 .50 .51 .52 .53 .55 .56 .58 .60 .62 .64 .66 .67 .69 .71 1.0
38	0	95	452	.210	.26 .28 .30 .31 .33 .34 .35 .37 .38 .39 .40 .42 .43 .44 .46 .47 .48 .49 .51 .52 .54

Table B.02.070				Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in February.															
The period of record is 1956-1963.																			

Table B.02.075					Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in February.																										
					The period of record is 1956-1963.																										
i	N _{ri}	N _j	N	P _i	P _{C→}																										
1	3	413	452	.914	1.0																										
2	0	403	452	.892	.98	1.0																									
3	2	396	452	.876	.96	.98	1.0																								
4	0	359	452	.861	.94	.97	.98	1.0																							
5	0	384	452	.850	.93	.95	.97	.99	1.0																						
6	8	379	452	.838	.92	.94	.96	.97	.99	1.0																					
7	0	374	452	.827	.91	.93	.94	.96	.97	.99	1.0																				
8	0	369	452	.816	.89	.92	.93	.95	.96	.97	.99	1.0																			
9	0	364	452	.805	.88	.90	.92	.94	.95	.96	.97	.99	1.0																		
10	1	358	452	.792	.87	.89	.90	.92	.93	.94	.96	.97	.98	1.0																	
11	0	352	452	.779	.85	.87	.89	.90	.92	.93	.94	.95	.97	.98	1.0																
12	0	347	452	.768	.84	.86	.88	.89	.90	.92	.93	.94	.95	.97	.99	1.0															
13	0	342	452	.757	.83	.85	.86	.88	.89	.90	.91	.93	.94	.96	.97	.99	1.0														
14	1	337	452	.746	.82	.84	.85	.87	.88	.89	.90	.91	.93	.94	.96	.97	.99	1.0													
15	1	332	452	.735	.80	.82	.84	.85	.86	.88	.89	.90	.91	.93	.94	.96	.97	.99	1.0												
16	0	327	452	.723	.79	.81	.83	.84	.85	.86	.87	.89	.90	.91	.93	.94	.96	.97	.98	1.0											
17	0	323	452	.715	.78	.80	.82	.83	.84	.85	.86	.88	.89	.90	.92	.93	.94	.96	.97	.99	1.0										
18	0	319	452	.706	.77	.79	.81	.82	.83	.84	.85	.86	.88	.89	.91	.92	.93	.95	.96	.98	.99	1.0									
19	0	315	452	.697	.76	.78	.80	.81	.82	.83	.84	.85	.87	.88	.89	.91	.92	.93	.95	.96	.98	.99	1.0								
20	1	310	452	.686	.75	.77	.79	.80	.81	.82	.83	.84	.85	.87	.88	.89	.91	.92	.93	.95	.96	.97	.98	1.0							
21	0	305	452	.675	.74	.76	.77	.78	.79	.80	.82	.83	.84	.85	.87	.88	.89	.91	.92	.93	.94	.96	.97	.98	1.0						
22	0	301	452	.666	.73	.75	.76	.77	.78	.79	.80	.82	.83	.84	.86	.87	.88	.89	.91	.92	.93	.94	.96	.97	.99	1.0					
23	0	297	452	.657	.72	.74	.75	.76	.77	.78	.79	.80	.82	.83	.84	.86	.87	.88	.89	.91	.92	.93	.94	.96	.97	.99	1.0				
24	0	293	452	.648	.71	.73	.74	.75	.76	.77	.78	.79	.80	.82	.83	.84	.86	.87	.88	.90	.91	.92	.93	.95	.96	.97	.99	1.0			
25	0	289	452	.639	.70	.72	.73	.74	.75	.76	.77	.78	.79	.81	.82	.83	.85	.86	.87	.88	.89	.91	.92	.93	.95	.96	.97	.99	1.0		
26	0	285	452	.631	.69	.71	.72	.73	.74	.75	.76	.77	.78	.80	.81	.82	.83	.85	.86	.87	.88	.89	.90	.92	.93	.95	.96	.97	.99	1.0	
27	1	281	452	.622	.68	.70	.71	.72	.73	.74	.75	.76	.77	.78	.80	.81	.82	.83	.85	.86	.87	.88	.89	.91	.92	.93	.95	.96	.97	.99	1.0</

i : Number of 12-hour periods in the run
 r_i : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 \rightarrow : Conditional probabilities
 j : Number of periods to be added to i

Table B.02.080										Conditional probabilities of the maximum wind speed of less than 80 mps in the 10-15 km layer over Cape Kennedy, Florida in February.		The period of record is 1956-1963.																			
i	N _{Ri}	N _i	N	P _i	P _C																										
1	2	422	452	.934	1.0																										
2	1	414	452	.916	.98	1.0																									
3	0	408	452	.903	.97	.99	1.0																								
4	1	403	452	.892	.95	.97	.99	1.0																							
5	1	398	452	.881	.94	.96	.98	.99	1.0																						
6	0	394	452	.872	.93	.95	.97	.98	.99	1.0																					
7	0	391	452	.865	.93	.94	.96	.97	.98	.99	1.0																				
8	0	388	452	.858	.92	.94	.95	.96	.97	.98	.99	1.0																			
9	0	385	452	.852	.91	.93	.94	.96	.97	.98	.99	1.0																			
10	0	381	452	.843	.90	.92	.93	.95	.96	.97	.97	.98	.99	1.0																	
11	0	377	452	.834	.89	.91	.92	.94	.95	.96	.96	.97	.98	.99	1.0																
12	0	373	452	.825	.88	.90	.91	.93	.94	.95	.95	.96	.97	.98	.99	1.0															
13	0	369	452	.816	.87	.89	.90	.92	.93	.94	.94	.95	.96	.97	.98	.99	1.0														
14	0	365	452	.808	.86	.88	.89	.91	.92	.93	.93	.94	.95	.96	.97	.98	.99	1.0													
15	1	361	452	.799	.85	.87	.88	.90	.91	.92	.92	.93	.94	.95	.96	.97	.98	.99	1.0												
16	0	357	452	.790	.85	.86	.88	.89	.90	.91	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0											
17	0	354	452	.783	.84	.86	.87	.88	.89	.90	.91	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0										
18	0	351	452	.777	.83	.85	.86	.87	.88	.89	.90	.90	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0									
19	0	348	452	.770	.82	.84	.85	.86	.87	.88	.89	.90	.90	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0								
20	1	345	452	.763	.82	.83	.85	.86	.87	.88	.88	.89	.90	.91	.92	.92	.93	.95	.96	.97	.97	.98									

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

Table B.02.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in February.

The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_i : Number of runs of exact length i
N_j : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

i	N _i	N _j	N	P _i	P _c
1	3	430	452	.951	1.0
2	2	421	452	.931	.98 1.0
3	0	415	452	.918	.97 .99 1.0
4	0	411	452	.909	.96 .98 .99 1.0
5	2	407	452	.900	.95 .97 .98 .99 1.0
6	0	403	452	.892	.94 .96 .97 .98 .99 1.0
7	0	401	452	.887	.93 .95 .97 .98 .99 .99 1.0
8	0	399	452	.883	.93 .95 .96 .97 .98 .99 .99 1.0
9	0	397	452	.878	.92 .94 .96 .97 .98 .99 .99 .99 1.0
10	0	394	452	.872	.92 .94 .95 .96 .97 .98 .98 .99 .99 1.0
11	0	391	452	.865	.91 .93 .94 .95 .96 .97 .98 .98 .98 .99 1.0
12	0	388	452	.858	.90 .92 .93 .94 .95 .96 .97 .97 .98 .98 .99 1.0
13	0	385	452	.852	.90 .91 .93 .94 .95 .96 .96 .96 .97 .98 .98 .99 1.0
14	0	382	452	.845	.89 .91 .92 .93 .94 .95 .95 .96 .96 .97 .98 .98 .99 1.0
15	1	379	452	.838	.88 .90 .91 .92 .93 .94 .95 .95 .95 .96 .97 .98 .98 .99 1.0
16	0	376	452	.832	.87 .89 .91 .91 .92 .93 .94 .94 .95 .95 .96 .97 .98 .98 .99 1.0
17	0	374	452	.827	.87 .89 .90 .91 .92 .93 .93 .94 .94 .95 .96 .96 .97 .98 .99 .99 1.0
18	0	372	452	.823	.87 .88 .90 .91 .91 .92 .93 .93 .94 .94 .95 .96 .97 .97 .98 .99 .99 1.0
19	0	370	452	.819	.86 .88 .89 .90 .91 .92 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 .99 1.0
20	0	368	452	.814	.86 .87 .88 .90 .90 .91 .92 .92 .93 .93 .94 .95 .96 .96 .97 .98 .98 .99 .99 1.0
21	0	366	452	.810	.85 .87 .88 .89 .90 .91 .91 .92 .92 .93 .94 .94 .95 .96 .97 .97 .98 .98 .99 .99 1.0
22	0	364	452	.805	.85 .86 .88 .89 .89 .90 .91 .91 .92 .92 .93 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
23	0	362	452	.801	.84 .86 .87 .88 .89 .90 .90 .91 .91 .92 .93 .93 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
24	0	360	452	.796	.84 .86 .87 .88 .88 .89 .90 .90 .91 .91 .92 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
25	0	358	452	.792	.83 .85 .86 .87 .88 .89 .89 .90 .90 .91 .92 .92 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
26	0	356	452	.788	.83 .85 .86 .87 .87 .88 .89 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
27	0	354	452	.783	.82 .84 .85 .86 .87 .88 .88 .89 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
28	0	352	452	.779	.82 .84 .85 .86 .87 .88 .88 .89 .89 .90 .91 .91 .92 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
29	0	350	452	.774	.81 .83 .84 .85 .86 .87 .87 .88 .88 .89 .90 .90 .91 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
30	0	348	452	.770	.81 .83 .84 .85 .86 .86 .87 .87 .88 .88 .89 .90 .90 .91 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
31	0	346	452	.765	.80 .82 .83 .84 .85 .86 .86 .87 .87 .88 .88 .89 .90 .91 .91 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
32	0	344	452	.761	.80 .82 .83 .84 .85 .85 .86 .86 .87 .87 .88 .89 .89 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
33	0	342	452	.757	.80 .81 .82 .83 .84 .85 .85 .86 .86 .87 .87 .88 .89 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
34	0	340	452	.752	.79 .81 .82 .83 .84 .84 .85 .85 .86 .86 .87 .88 .88 .89 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
35	0	338	452	.748	.79 .80 .81 .82 .83 .84 .84 .85 .85 .86 .86 .87 .88 .88 .89 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
36	0	336	452	.743	.78 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .87 .88 .89 .89 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
37	0	333	452	.737	.77 .79 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .86 .87 .88 .89 .89 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
38	0	330	452	.730	.77 .78 .80 .8

i	N_{R_i}	N_i	N	P_i	P_c																									
1	0	435	452	.962	1.0																									
2	3	428	452	.947	.98	1.0																								
3	0	421	452	.931	.97	.98	1.0																							
4	1	417	452	.923	.96	.97	.99	1.0																						
5	2	413	452	.914	.95	.96	.98	.99	1.0																					
6	0	410	452	.907	.94	.96	.97	.98	.99	1.0																				
7	0	409	452	.905	.94	.96	.97	.98	.99	.99	1.0																			
8	0	408	452	.903	.94	.95	.97	.98	.99	.99	.99	1.0																		
9	0	407	452	.900	.94	.95	.97	.98	.99	.99	.99	.99	1.0																	
10	0	406	452	.898	.93	.95	.96	.97	.98	.99	.99	.99	.99	1.0																
11	0	405	452	.895	.93	.95	.96	.97	.98	.99	.99	.99	.99	.99	1.0															
12	0	404	452	.894	.93	.94	.96	.97	.98	.99	.99	.99	.99	.99	.99	1.0														
13	0	403	452	.892	.93	.94	.96	.97	.98	.99	.99	.99	.99	.99	.99	.99	1.0													
14	0	401	452	.887	.92	.94	.95	.96	.97	.98	.98	.98	.99	.99	.99	.99	.99	1.0												
15	1	399	452	.883	.92	.93	.95	.96	.97	.97	.98	.98	.98	.99	.99	.99	.99	.99	1.0											
16	0	397	452	.878	.91	.93	.94	.95	.95	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0										
17	0	396	452	.876	.91	.93	.94	.95	.95	.97	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0									
18	0	395	452	.874	.91	.92	.94	.95	.96	.96	.97	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0								
19	0	394	452	.872	.91	.92	.94	.94	.95	.95	.96	.96	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0							
20	0	393	452	.869	.90	.92	.93	.94	.95	.96	.96	.96	.97	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0						
21	0	392	452	.867	.90	.92	.93	.94	.95	.96	.96	.96	.96	.97	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	1.0					
22	0	391	452	.865	.90	.91	.93	.94	.95	.95	.96	.96	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	1.0				
23	0	390	452	.863	.90	.91	.93	.94	.94	.95	.95	.96	.96	.96	.96	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0				
24	0	389	452	.861	.89	.91	.92	.93	.94	.95	.95	.95	.96	.96	.96	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0				
25	0	388	452	.858	.89	.91	.92	.93	.94	.95	.95	.95	.95	.96	.96	.96	.96	.97	.97	.98	.98	.98	.99	.99	.99	1.0				
26	0	387	452	.856	.89	.90	.92	.93	.94	.94	.95	.95	.95	.95	.96	.96	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	1.0			
27	0	386	452	.854	.89	.90	.92	.93	.93	.94	.94	.95	.95	.95	.95	.96	.96	.96	.96	.97	.97	.97	.98	.98	.98	.99	.99	.99	1.0	
28	0	385	452	.852	.89	.90	.91	.92	.93	.94	.94	.94	.95	.95	.95	.95	.96	.96	.96	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	1.0
29	0																													

[illegible]

[illegible]

i N_i N_i N P_i P_c

Table B.03.035

Conditional probabilities of the maximum wind speed
of less than 35 mps in the 10-15 km layer over Cape
Kennedy, Florida in March.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_i : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	5	58	.496	.117	1.0
2	4	41	.496	.083	.71 1.0
3	4	29	.496	.058	.50 .71 1.0
4	1	21	.496	.042	.36 .51 .72 1.0
5	0	17	.496	.034	.29 .41 .59 .81 1.0
6	1	14	.496	.028	.26 .34 .48 .67 .82 1.0
7	1	11	.496	.022	.19 .27 .38 .52 .65 .79 1.0
8	0	9	.496	.018	.16 .22 .31 .43 .53 .64 .82 1.0
9	0	8	.496	.016	.14 .20 .28 .38 .47 .57 .73 .89 1.0
10	0	7	.496	.014	.12 .17 .24 .33 .41 .50 .64 .78 .88 1.0
11	1	6	.496	.012	.10 .15 .21 .29 .35 .43 .55 .67 .75 .86 1.0
12	0	5	.496	.010	.09 .12 .17 .24 .29 .36 .45 .56 .63 .71 .83 1.0
13	0	3	.496	.010	.09 .12 .17 .24 .29 .36 .45 .56 .63 .71 .83 1.0
14	0	4	.496	.008	.07 .10 .14 .19 .24 .29 .36 .44 .50 .57 .67 .80 .80 1.0
15	0	3	.496	.006	.05 .07 .10 .14 .18 .21 .27 .33 .38 .43 .50 .60 .60 .75 1.0
16	0	2	.496	.004	.03 .05 .07 .10 .12 .14 .18 .22 .25 .29 .33 .40 .40 .50 .67 1.0
17	1	1	.496	.002	.02 .02 .03 .05 .06 .07 .09 .11 .13 .14 .17 .20 .20 .25 .33 .50 1.0
18	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	.496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

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Table B.03.045

Conditional probabilities of the maximum wind speed of less than 45 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{R_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_{C \rightarrow}$: Conditional probabilities
 j : Number of periods to be added to i

i	N_{R_i}	N_i	N	P_i	$P_{C \rightarrow}$
1	15	145	496	.292	1.0
2	7	105	496	.212	.72 1.0
3	8	79	496	.159	.54 .75 1.0
4	4	60	496	.121	.41 .57 .76 1.0
5	2	49	496	.099	.34 .47 .62 .82 1.0
6	0	42	496	.085	.29 .40 .53 .70 .86 1.0
7	0	37	496	.075	.26 .35 .47 .62 .76 .88 1.0
8	2	32	496	.065	.22 .30 .41 .53 .65 .76 .86 1.0
9	0	27	496	.054	.19 .26 .34 .45 .55 .64 .73 .84 1.0
10	1	23	496	.046	.16 .22 .29 .36 .47 .55 .62 .72 .85 1.0
11	1	19	496	.038	.13 .18 .24 .32 .39 .45 .51 .59 .70 .83 1.0
12	1	16	496	.032	.11 .15 .20 .27 .33 .38 .43 .50 .59 .70 .84 1.0
13	0	14	496	.028	.10 .13 .18 .23 .29 .33 .38 .44 .52 .61 .74 .88 1.0
14	0	13	496	.026	.09 .12 .16 .22 .27 .31 .35 .41 .48 .57 .68 .81 .93 1.0
15	0	11	496	.022	.08 .10 .14 .18 .22 .26 .30 .34 .41 .48 .58 .69 .79 .85 1.0
16	0	9	496	.018	.06 .09 .11 .15 .18 .21 .24 .28 .33 .39 .47 .56 .64 .69 .82 1.0
17	0	7	496	.014	.05 .07 .09 .12 .14 .17 .19 .22 .26 .30 .37 .44 .50 .54 .64 .78 1.0
18	1	5	496	.010	.03 .05 .06 .08 .08 .10 .12 .14 .16 .19 .22 .26 .31 .36 .38 .45 .56 .71 1.0
19	0	3	496	.006	.02 .03 .04 .05 .06 .07 .08 .09 .11 .13 .16 .19 .21 .23 .27 .33 .43 .60 1.0
20	0	2	496	.004	.01 .02 .03 .03 .04 .05 .06 .07 .09 .11 .13 .14 .15 .18 .22 .29 .40 .67 1.0
21	1	1	496	.002	.01 .01 .01 .02 .02 .02 .03 .03 .04 .04 .05 .06 .07 .08 .09 .11 .14 .20 .33 .50 1.0
22	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	496	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

i N_{Ri} N_i N P_i P_C

Table B.03.050

Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{Ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_C : Conditional probabilities
j : Number of periods to be added to i

1	15	211	495	.425	1.0
2	8	171	496	.345	.81 1.0
3	4	145	496	.292	.69 .85 1.0
4	5	127	496	.256	.63 .74 .98 1.0
5	3	113	496	.220	.54 .66 .78 .93 1.0
6	1	103	496	.208	.49 .60 .71 .81 .91 1.0
7	0	96	496	.194	.45 .56 .66 .76 .85 .93 1.0
8	1	90	496	.181	.43 .53 .62 .71 .80 .87 .94 1.0
9	0	84	496	.169	.40 .49 .58 .66 .74 .82 .88 .93 1.0
10	1	78	496	.157	.37 .46 .54 .61 .67 .76 .81 .87 .93 1.0
11	1	72	496	.145	.34 .42 .50 .57 .64 .70 .75 .80 .86 .92 1.0
12	0	67	496	.135	.32 .39 .46 .53 .59 .65 .70 .74 .80 .86 .93 1.0
13	0	63	496	.127	.30 .37 .43 .50 .56 .61 .66 .70 .75 .81 .85 .94 1.0
14	0	59	496	.119	.28 .35 .41 .46 .52 .57 .61 .65 .70 .76 .82 .88 .94 1.0
15	0	55	496	.111	.26 .32 .38 .43 .49 .53 .57 .61 .65 .71 .76 .82 .87 .93 1.0
16	0	51	496	.103	.24 .30 .35 .40 .45 .50 .53 .57 .61 .65 .71 .76 .81 .86 .93 1.0
17	1	47	496	.095	.22 .27 .32 .37 .42 .46 .50 .52 .56 .60 .65 .70 .75 .80 .85 .92 1.0
18	2	43	496	.087	.20 .25 .30 .34 .38 .42 .45 .48 .51 .55 .60 .64 .68 .73 .78 .84 .91 1.0
19	0	40	496	.081	.19 .23 .28 .31 .35 .39 .42 .44 .48 .51 .56 .60 .63 .68 .73 .78 .85 .93 1.0
20	0	39	496	.079	.18 .23 .27 .31 .35 .38 .41 .43 .46 .50 .54 .58 .62 .66 .71 .76 .83 .91 .98 1.0
21	0	38	496	.077	.18 .22 .26 .30 .34 .37 .40 .42 .45 .49 .53 .57 .60 .64 .69 .75 .81 .88 .95 .97 1.0
22	0	37	496	.075	.18 .22 .26 .29 .33 .36 .39 .41 .44 .47 .51 .55 .59 .63 .67 .73 .79 .86 .93 .95 .97 1.0
23	0	36	496	.073	.17 .21 .25 .28 .32 .35 .38 .40 .43 .46 .50 .54 .57 .61 .65 .71 .77 .84 .90 .92 .95 .97 1.0
24	0	35	496	.071	.17 .20 .24 .28 .31 .34 .36 .39 .42 .45 .49 .52 .56 .59 .64 .69 .74 .81 .88 .95 .97 1.0
25	0	34	496	.069	.16 .20 .23 .27 .30 .33 .35 .38 .40 .44 .47 .51 .54 .58 .62 .67 .72 .79 .85 .87 .92 .94 .97 1.0
26	0	33	496	.067	.16 .19 .23 .26 .29 .32 .34 .37 .39 .42 .46 .49 .52 .56 .60 .65 .70 .77 .83 .85 .87 .92 .94 .97 1.0
27	0	32	496	.065	.15 .19 .22 .25 .28 .31 .33 .36 .38 .41 .44 .48 .51 .54 .58 .63 .68 .74 .80 .82 .84 .86 .89 .91 .94 .97 1.0
28	0	31	496	.063	.15 .18 .21 .24 .27 .30 .32 .34 .37 .40 .43 .46 .49 .53 .56 .61 .66 .72 .78 .79 .82 .84 .86 .89 .91 .94 .97 1.0
29	0	30	496	.060	.14 .18 .21 .24 .27 .29 .31 .33 .36 .38 .42 .45 .48 .51 .55 .59 .64 .70 .75 .77 .79 .81 .83 .85 .88 .91 .94 .97 1.0
30	0	29	496	.058	.14 .17 .20 .23 .26 .28 .30 .32 .35 .37 .40 .43 .46 .49 .53 .57 .62 .67 .73 .74 .76 .78 .81 .83 .85 .88 .91 .94 .97 1.0
31	0	28	496	.056	.13 .16 .19 .22 .25 .27 .29 .31 .33 .36 .39 .42 .44 .47 .51 .55 .60 .65 .70 .72 .74 .76 .78 .80 .82 .85 .88 .90 .93 1.0
32	0	26	496	.052	.12 .15 .18 .20 .23 .25 .27 .29 .31 .33 .36 .39 .41 .44 .47 .51 .55 .60 .65 .67 .68 .70 .72 .74 .76 .79 .81 .84 .87 1.0
33	0	24	496	.048	.11 .14 .17 .19 .21 .23 .25 .27 .29 .31 .33 .35 .38 .41 .44 .47 .51 .56 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .80 1.0
34	0	22	496	.044	.10 .13 .15 .17 .19 .21 .23 .25 .26 .28 .31 .33 .35 .37 .40 .43 .47 .51 .55 .56 .58 .59 .61 .63 .65 .67 .69 .71 .73 .75 1.0
35	0	20	496	.040	.09 .12 .14 .16 .18 .19 .21 .22 .24 .26 .28 .30 .32 .34 .36 .39 .43 .47 .50 .51 .53 .54 .56 .57 .59 .61 .63 .65 .67 1.0
36	0	18	496	.036	.09 .11 .12 .14 .16 .17 .19 .20 .21 .23 .25 .27 .29 .31 .33 .35 .38 .42 .45 .46 .47 .49 .50 .51 .53 .55 .56 .58 .60 1.0
37	0	16	496	.032	.08 .09 .11 .13 .14 .16 .17 .18 .19 .21 .22 .24 .25 .27 .29 .31 .34 .37 .40 .41 .42 .43 .44 .46 .47 .48 .50 .52 .53 1.0
38	0	14	496	.028	.07 .08 .10 .11 .12 .14 .15 .16 .17 .18 .19 .21 .22 .24 .25 .27 .30 .33 .35 .36 .37 .38 .39 .40 .41 .42 .44 .45 .47 1.0
39	0	12	496	.024	.06 .07 .08 .09 .11 .12 .13 .14 .15 .17 .18 .19 .20 .22 .24 .26 .28 .30 .31 .32 .33 .34 .35 .36 .38 .39 .40 .42 .43 1.0
40	0	10	496	.020	.05 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .20 .21 .23 .25 .26 .27 .28 .29 .30 .31 .32 .33 .35 .36 1.0
41	1	8	496	.016	.04 .05 .06 .06 .07 .08 .08 .09 .10 .10 .11 .12 .13 .14 .15 .16 .17 .19 .20 .21 .21 .22 .22 .23 .24 .24 .25 .26 .27 1.0
42	0	6	496	.012	.03 .04 .04 .05 .05 .06 .06 .07 .07 .08 .08 .09 .10 .10 .11 .12 .13 .14 .15 .15 .16 .16 .17 .17 .18 .18 .19 .19 .20 1.0
43	0	5	496	.010	.02 .03 .03 .04 .04 .05 .05 .06 .06 .06 .07 .07 .08 .08 .09 .10 .11 .12 .13 .13 .13 .14 .14 .14 .15 .15 .16 .16 .17 1.0
44	0	4	496	.003	.02 .02 .03 .03 .04 .04 .04 .05 .05 .05 .06 .06 .06 .07 .07 .08 .08 .09 .10 .10 .10 .11 .11 .11 .11 .12 .12 .13 .13 1.0
45	0	3	496	.006	.01 .02 .02 .02 .03 .03 .03 .03 .04 .04 .04 .05 .05 .05 .06 .06 .06 .07 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08 1.0
46	0	2	496	.004	.01 .01 .01 .02 .02 .02 .02 .02 .03 .03 .03 .03 .03 .04 .04 .04 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05 1.0
47	1	1	496	.002	.01 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 .02 1.0
48	0	0	496	.000	.00 1.0
49	0	0	496	.000	.00 1.0
50	0	0	496	.000	.00 1.0
51	0	0	496	.000	.00 1.0
52	0	0	496	.000	.00 1.0
53	0	0	496	.000	.00 1.0
54	0	0	496	.000	.00 1.0
55	0	0	496	.000	.00 1.0
56	0	0	496	.000	.00 1.0
57	0	0	496	.000	.00 1.0
58	0	0	496	.000	.00 1.0
59	0	0	496	.000	.00 1.0
60	0	0	496	.000	.00 1.0
61	0	0	496	.000	.00 1.0
62	0	0	496	.000	.00 1.0

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Table B.03.055							Conditional probabilities of the maximum wind speed of less than 55 mps in the 10-15 km layer over Cape Kennedy, Florida in March.		The period of record is 1956-1963.																									
i	N _i	P _i	P _c																															
1	14	.281	.496	.567	1.0																													
2	9	.230	.496	.464	.82	1.0																												
3	8	.192	.496	.387	.68	.83	1.0																											
4	7	.163	.496	.329	.58	.71	.95	1.0																										
5	2	.142	.496	.286	.51	.62	.74	.97	1.0																									
6	2	.128	.496	.258	.46	.56	.67	.79	.99	1.0																								
7	4	.116	.496	.234	.41	.50	.60	.71	.82	.91	1.0																							
8	0	.106	.496	.214	.38	.46	.55	.65	.75	.83	.91	1.0																						
9	0	.100	.496	.202	.36	.43	.52	.61	.70	.78	.86	.94	1.0																					
10	0	.94	.496	.190	.33	.41	.49	.58	.66	.73	.81	.89	.94	1.0																				
11	2	.87	.496	.175	.31	.38	.45	.53	.61	.68	.75	.82	.87	.93	1.0																			
12	1	.80	.496	.161	.28	.35	.42	.49	.56	.63	.69	.75	.80	.85	.92	1.0																		
13	0	.75	.496	.151	.27	.33	.39	.46	.53	.59	.65	.71	.75	.80	.86	.94	1.0																	
14	1	.70	.496	.141	.25	.30	.36	.43	.49	.55	.60	.66	.70	.74	.80	.88	.93	1.0																
15	0	.64	.496	.129	.23	.28	.33	.39	.45	.50	.55	.60	.64	.68	.74	.80	.85	.91	1.0															
16	0	.59	.496	.119	.21	.26	.31	.36	.42	.46	.51	.56	.59	.63	.68	.74	.79	.84	.92	1.0														
17	0	.54	.496	.109	.19	.23	.28	.33	.38	.42	.47	.51	.54	.57	.62	.68	.72	.77	.84	.92	1.0													
18	3	.49	.496	.099	.17	.21	.26	.30	.35	.38	.42	.46	.49	.52	.56	.61	.65	.70	.77	.83	.91	1.0												
19	0	.44	.496	.089	.16	.19	.23	.27	.31	.34	.38	.42	.44	.47	.51	.55	.59	.63	.67	.75	.81	.90	1.0											
20	1	.42	.496	.085	.15	.18	.22	.26	.30	.33	.36	.40	.42	.45	.48	.53	.56	.60	.66	.71	.78	.86	.95	1.0										
21	0	.40	.496	.081	.14	.17	.21	.25	.28	.31	.34	.38	.40	.43	.46	.50	.53	.57	.63	.68	.74	.82	.91	.95	1.0									
22	0	.39	.496	.079	.14	.17	.20	.24	.27	.30	.34	.37	.39	.41	.43	.46	.49	.52	.56	.61	.66	.72	.80	.89	.93	.98	1.0							
23	0	.38	.496	.077	.14	.17	.20	.23	.27	.30	.33	.36	.38	.40	.44	.48	.51	.54	.59	.64	.70	.78	.86	.90	.95	.97	1.0							
24	0	.37	.496	.075	.13	.16	.19	.23	.26	.29	.32	.35	.37	.39	.43	.46	.49	.53	.58	.63	.69	.76	.84	.88	.93	.95	.97	1.0						
25	0	.36	.496	.073	.13	.16	.19	.22	.25	.28	.31	.34	.36	.38	.41	.45	.48	.51	.56	.61	.67	.73	.82	.86	.90	.92	.95	.97	1.0					
26	0	.35	.496	.071	.12	.15	.18	.21	.25	.27	.30	.33	.35	.37	.40	.44	.47	.50	.55	.59	.65	.71	.80	.83	.88	.90	.92	.95	.97	1.0				
27	0	.34	.496	.069	.12	.15	.18	.21	.24	.27	.29	.32	.34	.36	.39	.43	.45	.49	.53	.58	.63	.69	.77	.81	.85	.87	.89	.92	.94	.97	1.0			
28	0	.33	.496	.067	.12	.14	.17	.20	.23	.26	.28	.31	.33	.35	.38	.41	.44	.47	.52	.56	.61	.67	.75	.79	.83	.85	.87	.89	.92	.94	.97	1.0		
29	0	.32	.496	.065	.11	.14	.17	.20	.23	.25	.28	.30	.32	.34	.37	.40	.43	.46	.50	.54	.59	.65	.73	.76	.80	.82	.84	.86	.89	.91	.94	.97	1.0	
30	0	.31	.496	.063	.11	.13	.16	.19	.22	.24	.27	.29	.31	.33	.36	.39	.41	.44	.48	.53	.57	.63	.70	.74	.78	.82	.84	.86	.89	.91	.94	.97	1.0	
31	0	.30	.496	.060	.11	.13	.16	.19	.21	.23	.26	.28	.30	.32	.34	.38	.40	.43	.47	.51	.56	.61	.68	.71	.75	.77	.79	.81	.83	.86	.88	.91	.94	1.0
32	0	.28	.496	.056	.10	.12	.15	.17	.20	.22	.24	.26	.28	.30	.32	.35	.37	.40	.44	.47	.52	.57	.64	.67	.70	.72	.74	.76	.78	.80	.82	.85	.88	1.0
33	0	.26	.496	.052	.09	.11	.14	.16	.18	.20	.22	.25	.26	.28	.30	.33	.35	.37	.41	.44	.48	.53	.59	.62	.65	.67	.68	.70	.72	.74	.76	.79	.81	1.0
34	0	.24	.496	.048	.09	.10	.13	.15	.17	.19	.21	.23	.24	.26	.28	.30	.32	.34	.38	.41	.44	.49	.55	.57	.60	.62	.63	.65	.67	.69	.71	.73	.75	1.0
35	0	.22	.496	.044	.08	.10	.11	.13	.15	.17	.19	.21	.22	.23	.25	.28	.29	.31	.34	.37	.41	.45	.50	.52	.55	.56	.58	.59	.61	.63	.65	.67	.69	1.0
36	0	.20	.496	.040	.07	.09	.10	.12	.14	.16	.17	.19	.20	.21	.23	.25	.27	.29	.31	.34	.37	.41	.45	.48	.50	.51	.53	.54	.56	.57	.59	.61	.63	1.0
37	0	.18	.496	.036	.06	.08	.09	.11	.13	.14	.16	.17	.18	.19	.21	.23	.24	.26	.28	.31	.33	.37	.41	.43	.45	.46	.47	.49	.50	.51	.53	.55	.56	1.0
38	0	.16	.496	.032	.06	.07	.08	.10	.11	.13	.14	.15	.16	.17	.18	.20	.21	.23	.25	.27	.30	.33	.36	.38	.40	.41	.42	.43	.44	.46	.47	.48	.50	1.0
39	0	.14	.496	.028	.05	.06	.07	.09	.10	.11	.12	.13	.14	.15	.16	.18	.19	.20	.22	.24	.26	.29	.32	.33	.35	.36	.37	.38	.39	.40	.41	.42	.44	1.0
40	0	.12	.496	.024	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.16	.17	.19	.20	.22	.24	.27	.29	.30	.31	.32	.32	.33	.34	.35	.36	.38	1.0
41	0	.10	.496	.020	.04	.04	.05	.06	.07	.08	.09	.09	.10	.11	.11	.13	.13	.14	.16	.17	.19	.20	.23	.24	.25	.26	.26	.27	.28	.29	.29	.30	.31	1.0
42	1	.8	.496	.016	.03	.03	.04	.05	.06	.06	.07	.08	.08	.09	.09	.10	.11	.11	.13	.14	.15	.16	.18	.19	.20	.21	.21	.22	.22	.23	.24	.24	.25	1.0
43	0	.6	.496	.012	.02	.03	.03	.04	.04	.05	.05	.06	.06	.06	.07	.08	.08	.09	.10	.11	.12	.14	.14	.15	.15	.16	.16	.17	.17	.18	.18	.19	1.0	
44	0	.5	.496	.010	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.12	.13	.13	.13	.14	.14	.14	.15	.15	.16	1.0
45	0	.4	.496	.008	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.05	.06	.06	.07	.07	.08	.09	.10	.10	.10	.11	.11	.11	.12	.12	.13	1.0	
46	0	.3	.496	.006	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.08	.08	.09	.09	.09	.09	1.0	
47	0	.2	.496	.004	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05	.05	.05	.06	.06	.06	.06	1.0	
48	1	.1	.496	.002	.	.	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	1.0	
49	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
50	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
51	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
52	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
53	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
54	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
55	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
56	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
57	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
58	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
59	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
60	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
61	0	.0	.496	.000	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	
62	0	.0	.496	.000	.00	.00	.00	.00</																										

Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in March.
The period of record is 1956-1963.

The period of record is 1956–1963.

i : Number of 12-hour periods in the run
 N_{r_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_C \rightarrow$: Conditional probabilities
 j : Number of periods to be added to i

of less than 60 mps in the 10-15 km-layer over Cape Kennedy, Florida in March.
The period of record is 1956-1963.

i	N _{Ri}	N _j	N	P _i	P _c	j
1	338	.496	.581	1.0		
2	9	.286	.496	.581	.85	1.0
3	4	.251	.496	.506	.74	.87 1.0
4	7	.222	.496	.448	.66	.77 .88 1.0
5	4	.197	.496	.397	.58	.68 .78 .89 1.0
6	1	.170	.496	.361	.53	.62 .71 .81 .91 1.0
7	4	.165	.496	.333	.49	.57 .66 .74 .84 .92 1.0
8	0	.152	.496	.306	.45	.53 .61 .68 .77 .85 .92 1.0
9	0	.143	.496	.288	.42	.50 .57 .64 .73 .80 .87 .94 1.0
10	0	.134	.496	.270	.40	.47 .53 .60 .68 .75 .81 .88 .94 1.0
11	1	.124	.496	.250	.37	.43 .49 .56 .63 .69 .75 .82 .87 .93 1.0
12	2	.114	.496	.230	.34	.40 .45 .51 .58 .64 .69 .75 .80 .85 .92 1.0
13	1	.105	.496	.212	.31	.36 .42 .47 .53 .59 .64 .69 .73 .78 .85 .92 1.0
14	1	.98	.496	.198	.29	.34 .39 .44 .50 .55 .59 .64 .69 .73 .79 .86 .93 1.0
15	0	.91	.496	.183	.27	.32 .36 .41 .46 .51 .55 .60 .64 .68 .73 .80 .87 .93 1.0
16	0	.85	.496	.171	.25	.30 .34 .38 .43 .47 .52 .56 .59 .63 .69 .75 .81 .87 .93 1.0
17	0	.79	.496	.159	.23	.27 .31 .36 .40 .44 .48 .52 .55 .59 .64 .69 .75 .81 .87 .93 1.0
18	2	.73	.496	.147	.22	.25 .29 .33 .37 .41 .44 .48 .51 .54 .59 .64 .70 .74 .79 .85 .92 1.0
19	0	.67	.496	.135	.20	.23 .27 .30 .34 .37 .41 .44 .47 .50 .54 .59 .64 .68 .74 .79 .85 .92 1.0
20	1	.63	.496	.127	.19	.22 .25 .28 .32 .35 .38 .41 .44 .47 .51 .55 .60 .64 .69 .74 .80 .86 .94 1.0
21	0	.59	.496	.119	.17	.20 .24 .27 .30 .33 .36 .39 .41 .44 .48 .52 .56 .60 .65 .69 .75 .81 .88 .94 1.0
22	0	.56	.496	.113	.17	.19 .22 .25 .28 .31 .34 .37 .39 .42 .45 .49 .53 .57 .62 .66 .71 .77 .84 .89 .95 1.0
23	0	.53	.496	.107	.16	.18 .21 .24 .27 .30 .32 .35 .37 .40 .43 .46 .50 .54 .58 .62 .67 .73 .79 .84 .90 .95 1.0
24	1	.50	.496	.101	.15	.17 .20 .23 .25 .28 .30 .33 .35 .37 .40 .44 .48 .51 .55 .59 .63 .68 .75 .79 .85 .89 .94 1.0
25	0	.47	.496	.095	.14	.16 .19 .21 .24 .26 .28 .31 .33 .35 .38 .41 .45 .48 .52 .55 .59 .64 .70 .75 .80 .84 .89 .94 1.0
26	0	.45	.496	.091	.13	.16 .18 .20 .23 .25 .27 .30 .31 .34 .36 .39 .43 .46 .49 .53 .57 .62 .67 .71 .76 .80 .85 .90 .96 1.0
27	1	.43	.496	.087	.13	.15 .17 .19 .22 .24 .26 .28 .30 .32 .35 .38 .41 .44 .47 .51 .54 .59 .64 .68 .73 .77 .81 .86 .91 .96 1.0
28	0	.41	.496	.083	.12	.14 .16 .18 .21 .23 .25 .27 .29 .31 .33 .36 .39 .42 .45 .48 .52 .56 .61 .65 .69 .73 .77 .82 .87 .91 .95 1.0
29	0	.40	.496	.081	.12	.14 .16 .18 .20 .22 .24 .26 .28 .30 .32 .35 .38 .41 .44 .47 .51 .55 .60 .63 .68 .71 .75 .80 .85 .89 .93 .98 1.0 j=0
30	0	.39	.496	.079	.12	.14 .16 .18 .20 .22 .24 .26 .27 .29 .31 .34 .37 .40 .43 .46 .49 .53 .58 .62 .66 .70 .74 .78 .83 .87 .91 .95 .98 1.0 j=1
31	0	.38	.496	.077	.11	.13 .15 .17 .19 .21 .23 .25 .27 .28 .31 .33 .36 .39 .42 .45 .48 .52 .57 .60 .64 .68 .72 .76 .81 .84 .88 .93 .95 1.0 j=2
32	0	.37	.496	.075	.11	.13 .15 .17 .19 .21 .22 .24 .26 .28 .30 .32 .35 .38 .41 .44 .47 .51 .55 .59 .63 .66 .70 .74 .79 .82 .86 .90 .93 1.0 j=3
33	0	.35	.496	.071	.10	.12 .14 .16 .18 .20 .21 .23 .24 .26 .28 .31 .33 .36 .38 .41 .44 .48 .52 .56 .59 .63 .66 .70 .74 .78 .81 .85 .88 1.0 j=4
34	0	.33	.496	.067	.10	.11 .13 .15 .17 .18 .20 .22 .23 .25 .27 .29 .31 .34 .36 .39 .42 .45 .49 .52 .56 .59 .62 .66 .70 .73 .77 .80 .83 1.0 j=5
35	0	.31	.496	.063	.09	.11 .12 .14 .16 .17 .19 .20 .22 .23 .25 .27 .30 .32 .34 .36 .39 .42 .46 .49 .53 .55 .58 .62 .66 .69 .72 .76 .78 1.0
36	0	.29	.496	.058	.09	.10 .12 .13 .15 .16 .18 .19 .20 .22 .23 .25 .28 .30 .32 .34 .37 .40 .43 .46 .49 .52 .55 .58 .62 .64 .67 .71 .73 1.0
37	0	.27	.496	.054	.08	.09 .11 .12 .14 .15 .16 .18 .19 .20 .22 .24 .26 .28 .30 .32 .34 .37 .40 .43 .46 .49 .52 .55 .58 .62 .64 .67 .71 .73 1.0
38	0	.25	.496	.050	.07	.09 .10 .11 .13 .14 .15 .16 .17 .19 .20 .22 .24 .2

i	N _{ri}	N _i	N	P _i	P _c	
1	6	428	496	.863	1.0	
2	3	401	496	.809	.94	1.0
3	0	379	496	.764	.89	.95 1.0
4	2	360	496	.720	.84	.92 .75 1.0
5	3	341	496	.688	.80	.85 .90 .95 1.0
6	0	324	496	.653	.76	.81 .85 .70 .95 1.0
7	1	310	496	.625	.72	.77 .82 .86 .91 .96 1.0
8	3	295	496	.595	.69	.74 .78 .82 .87 .91 .95 1.0
9	1	281	496	.567	.66	.70 .74 .78 .82 .87 .91 .95 1.0
10	2	270	496	.544	.63	.67 .71 .75 .79 .83 .87 .92 .96 1.0
11	0	259	496	.522	.61	.65 .69 .72 .76 .80 .84 .89 .92 .95 1.0
12	0	250	496	.504	.58	.62 .66 .69 .73 .77 .81 .85 .89 .93 .97 1.0
13	1	241	496	.486	.56	.60 .64 .67 .71 .74 .78 .82 .85 .89 .93 .96 1.0
14	0	232	496	.468	.54	.58 .61 .64 .68 .72 .75 .79 .83 .86 .90 .93 .96 1.0
15	0	224	496	.452	.52	.56 .59 .62 .66 .69 .72 .76 .80 .83 .86 .90 .93 .97 1.0
16	1	215	496	.433	.50	.54 .57 .60 .63 .66 .69 .73 .77 .80 .83 .86 .89 .93 .96 1.0
17	0	206	496	.415	.48	.51 .54 .57 .60 .64 .66 .70 .73 .76 .80 .82 .85 .89 .92 .95 1.0
18	0	198	496	.399	.46	.49 .52 .55 .58 .61 .64 .67 .70 .73 .76 .79 .82 .85 .88 .92 .96 1.0
19	0	190	496	.383	.44	.47 .50 .53 .56 .59 .61 .64 .65 .70 .73 .76 .79 .82 .85 .88 .92 .96 1.0
20	0	182	496	.367	.43	.45 .48 .51 .53 .55 .59 .62 .65 .67 .70 .73 .76 .78 .81 .85 .88 .92 .96 1.0
21	1	174	496	.351	.41	.43 .46 .48 .51 .54 .56 .59 .62 .64 .67 .70 .72 .75 .78 .81 .84 .88 .92 .96 1.0
22	0	166	496	.335	.39	.41 .44 .46 .49 .51 .54 .56 .59 .61 .64 .66 .69 .72 .74 .77 .81 .84 .87 .91 .95 1.0
23	1	159	496	.321	.37	.40 .42 .44 .47 .49 .51 .54 .57 .59 .61 .64 .66 .69 .71 .74 .77 .80 .84 .87 .91 .95 1.0
24	2	152	496	.306	.36	.38 .40 .42 .45 .47 .49 .52 .54 .56 .59 .61 .63 .66 .68 .71 .74 .77 .80 .84 .87 .92 .96 1.0
25	0	146	496	.294	.34	.36 .38 .39 .41 .43 .45 .47 .49 .52 .54 .56 .58 .61 .63 .65 .68 .71 .74 .77 .80 .84 .88 .92 .96 1.0
26	0	142	496	.286	.33	.35 .37 .39 .42 .44 .46 .48 .51 .53 .55 .57 .59 .61 .63 .66 .69 .72 .75 .78 .82 .86 .89 .93 .97 1.0
27	0	136	496	.278	.32	.34 .36 .38 .40 .43 .45 .47 .49 .51 .53 .55 .57 .59 .62 .64 .67 .70 .73 .76 .79 .83 .87 .91 .95 .97 1.0
28	1	134	496	.270	.31	.33 .35 .37 .39 .41 .43 .45 .48 .50 .52 .54 .56 .58 .60 .62 .65 .68 .71 .74 .77 .81 .84 .88 .92 .96 .97 1.0
29	0	130	496	.262	.30	.32 .34 .36 .38 .40 .42 .44 .46 .48 .50 .52 .54 .56 .58 .60 .63 .66 .69 .71 .75 .78 .82 .86 .89 .92 .94 .97 1.0
30	0	127	496	.256	.30	.32 .34 .35 .37 .39 .41 .43 .45 .47 .49 .51 .53 .55 .57 .59 .62 .64 .67 .70 .73 .77 .80 .84 .87 .89 .92 .95 .98
31	1	124	496	.250	.29	.31 .33 .34 .36 .38 .40 .42 .44 .46 .48 .50 .52 .55 .58 .60 .63 .65 .68 .71 .75 .78 .82 .85 .87 .90 .93 .95
32	0	121	496	.244	.28	.30 .32 .34 .35 .37 .39 .41 .43 .45 .47 .48 .50 .52 .54 .56 .59 .61 .64 .66 .70 .73 .76 .80 .83 .85 .88 .90 .93
33	0	119	496	.240	.28	.30 .31 .33 .35 .37 .38 .40 .42 .44 .46 .48 .49 .51 .53 .55 .58 .60 .63 .65 .68 .72 .75 .78 .82 .84 .86 .89 .92
34	0	117	496	.235	.27	.29 .31 .33 .34 .36 .38 .40 .42 .43 .45 .47 .49 .50 .52 .54 .57 .59 .62 .64 .67 .70 .74 .77 .80 .82 .85 .87 .90
35	0	115	496	.232	.27	.29 .30 .32 .34 .35 .37 .39 .41 .43 .44 .46 .48 .50 .51 .53 .56 .58 .61 .63 .66 .69 .72 .76 .79 .81 .83 .86 .88
36	0	113	496	.228	.26	.28 .30 .31 .33 .35 .36 .38 .40 .42 .44 .45 .47 .49 .50 .53 .55 .57 .59 .62 .65 .68 .71 .74 .77 .80 .82 .84 .87
37	0	111	496	.224	.26	.28 .29 .31 .33 .34 .36 .38 .40 .41 .43 .44 .46 .48 .50 .52 .54 .56 .58 .61 .64 .67 .70 .73 .76 .78 .80 .83 .85
38	1	109	496	.220	.25	.27 .29 .30 .32 .34 .35 .37 .39 .40 .42 .44 .45 .47 .49 .51 .53 .

i N_{R_i} N_i N P_i P_C

Table B.03.085

Conditional probabilities of the maximum wind speed of less than 85 mps in the 10-15 km layer over Cape Kennedy, Florida in March
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{R_i} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_C : Conditional probabilities
j : Number of periods to be added to i

1	1	484	496	.976	1.0
2	1	479	495	.966	.99 1.0
3	0	474	495	.956	.98 .99 1.0
4	0	470	496	.948	.97 .92 .99 1.0
5	0	466	496	.940	.96 .97 .98 .99 1.0
6	0	462	495	.931	.95 .95 .97 .98 .99 1.0
7	0	458	496	.923	.95 .96 .97 .97 .98 .99 1.0
8	1	454	496	.915	.94 .95 .96 .97 .97 .92 .99 1.0
9	0	450	496	.907	.93 .94 .95 .96 .97 .97 .93 .99 1.0
10	0	447	496	.901	.92 .93 .94 .95 .96 .97 .96 .93 .99 1.0
11	0	444	496	.895	.92 .93 .94 .94 .95 .96 .97 .98 .99 .99 1.0
12	0	441	496	.889	.91 .92 .93 .94 .95 .95 .96 .97 .98 .99 .99 1.0
13	0	438	496	.883	.90 .91 .92 .93 .94 .95 .96 .97 .98 .99 .99 1.0
14	0	435	496	.877	.90 .91 .92 .93 .93 .94 .95 .96 .97 .97 .93 .99 .99 1.0
15	0	432	496	.871	.89 .90 .91 .92 .93 .94 .94 .95 .95 .97 .97 .98 .99 .99 1.0
16	0	429	496	.865	.89 .90 .91 .91 .92 .93 .94 .94 .95 .96 .97 .97 .98 .99 .99 1.0
17	0	426	496	.859	.88 .89 .90 .91 .91 .92 .93 .94 .95 .95 .96 .97 .97 .98 .99 .99 1.0
18	0	423	496	.853	.87 .88 .89 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .97 .98 .99 .99 1.0
19	0	419	496	.845	.87 .87 .88 .89 .90 .91 .91 .92 .93 .94 .94 .95 .96 .96 .97 .98 .98 .99 1.0
20	0	415	496	.837	.86 .87 .88 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .97 .98 .99 1.0
21	0	411	496	.829	.85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .94 .95 .95 .96 .97 .98 .99 1.0
22	1	407	496	.821	.84 .85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .92 .93 .94 .94 .95 .96 .96 .97 .98 .99 1.0
23	0	403	496	.813	.83 .84 .85 .86 .86 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .99 1.0
24	0	400	496	.806	.83 .84 .84 .85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .99 1.0
25	0	397	496	.800	.82 .83 .84 .84 .85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .96 .97 .98 .99 .99 1.0
26	0	394	496	.794	.81 .82 .83 .84 .85 .85 .86 .87 .88 .89 .90 .91 .91 .92 .92 .93 .94 .95 .96 .97 .98 .99 .99 1.0
27	0	391	496	.788	.81 .82 .82 .83 .84 .85 .85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .92 .93 .94 .95 .96 .97 .98 .99 1.0
28	0	388	496	.782	.80 .81 .82 .83 .83 .84 .85 .85 .86 .87 .87 .88 .89 .90 .91 .91 .92 .92 .93 .93 .94 .95 .96 .99 1.0
29	0	385	496	.776	.80 .80 .81 .82 .83 .83 .84 .85 .85 .86 .87 .87 .88 .89 .90 .90 .91 .92 .93 .94 .95 .96 .97 .98 .98 .99 1.0
30	0	382	496	.770	.79 .80 .81 .81 .82 .83 .83 .84 .85 .85 .86 .87 .87 .88 .89 .90 .90 .91 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
31	0	379	496	.764	.78 .79 .80 .81 .81 .82 .83 .83 .84 .85 .85 .86 .87 .87 .88 .89 .90 .90 .91 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
32	0	376	496	.758	.78 .78 .79 .80 .81 .81 .82 .83 .84 .84 .85 .85 .86 .87 .88 .88 .89 .90 .91 .91 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
33	0	373	496	.752	.77 .76 .77 .78 .80 .81 .81 .82 .83 .83 .84 .85 .85 .86 .87 .88 .88 .89 .90 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
34	0	370	496	.746	.76 .77 .78 .79 .79 .80 .81 .81 .82 .83 .83 .84 .84 .85 .86 .86 .87 .87 .88 .89 .90 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
35	1	367	496	.740	.76 .77 .77 .78 .79 .79 .80 .81 .81 .82 .83 .83 .84 .84 .85 .86 .86 .87 .88 .88 .89 .90 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
36	0	364	496	.734	.75 .76 .77 .77 .78 .79 .79 .80 .81 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
37	0	362	496	.730	.75 .76 .76 .77 .78 .78 .79 .80 .80 .81 .82 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
38	1	360	496	.726	.74 .75 .76 .77 .77 .78 .79 .79 .80 .81 .81 .82 .82 .83 .83 .84 .85 .85 .86 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
39	0	358	496	.722	.74 .75 .76 .76 .77 .77 .78 .79 .80 .80 .81 .81 .82 .83 .83 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
40	0	357	496	.720	.74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .91 .91 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
41	0	356	496	.718	.74 .74 .75 .76 .76 .77 .78 .79 .80 .80 .81 .81 .82 .82 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
42	1	355	496	.716	.73 .74 .75 .76 .76 .77 .78 .79 .79 .80 .80 .81 .82 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
43	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
44	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
45	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
46	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
47	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
48	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
49	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
50	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
51	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
52	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
53	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
54	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
55	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
56	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
57	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
58	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
59	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
60	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
61	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0
62	0	354	496	.714	.73 .74 .75 .75 .76 .77 .77 .78 .79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .87 .88 .89 .90 .90 .91 .92 .92 .93 .94 .95 .95 .96 .97 .98 .98 .99 1.0

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

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[illegible]

Table B.01.020				Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in April		The period of record is 1956-1963	
i	N _{ri}	N _i	N	P _i	P _C		
1	2	46	480	.092	1.0		
2	2	37	480	.077	.80	1.0	
3	3	29	480	.060	.63	.78	
4	1	23	480	.048	.50	.62	
5	0	20	480	.042	.43	.56	
6	0	18	480	.038	.37	.49	
7	1	16	480	.033	.35	.43	
8	0	14	480	.029	.33	.38	
9	0	13	480	.027	.28	.35	
10	0	12	480	.025	.26	.32	
11	0	11	480	.023	.24	.30	
12	0	10	480	.021	.22	.27	
13	0	9	480	.019	.20	.24	
14	0	8	480	.017	.17	.22	
15	0	7	480	.015	.15	.19	
16	0	6	480	.013	.13	.16	
17	0	5	480	.010	.11	.14	
18	0	4	480	.008	.09	.11	
19	0	3	480	.006	.07	.08	
20	0	2	480	.004	.04	.05	
21	1	1	480	.002	.02	.03	
22	0	0	480	.000	.00	.00	
23	0	0	480	.000	.00	.00	
24	0	0	480	.000	.00	.00	
25	0	0	480	.000	.00	.00	
26	0	0	480	.000	.00	.00	
27	0	0	480	.000	.00	.00	
28	0	0	480	.000	.00	.00	
29	0	0	480	.000	.00	.00	
30	0	0	480	.000	.00	.00	
31	0	0	480	.000	.00	.00	
32	0	0	480	.000	.00	.00	
33	0	0	480	.000	.00	.00	
34	0	0	480	.000	.00	.00	
35	0	0	480	.000	.00	.00	
36	0	0	480	.000	.00	.00	
37	0	0	480	.000	.00	.00	
38	0	0	480	.000	.00	.00	
39	0	0	480	.000	.00	.00	
40	0	0	480	.000	.00	.00	
41	0	0	480	.000	.00	.00	
42	0	0	480	.000	.00	.00	
43	0	0	480	.000	.00	.00	
44	0	0	480	.000	.00	.00	
45	0	0	480	.000	.00	.00	
46	0	0	480	.000	.00	.00	
47	0	0	480	.000	.00	.00	
48	0	0	480	.000	.00	.00	
49	0	0	480	.000	.00	.00	
50	0	0	480	.000	.00	.00	
51	0	0	480	.000	.00	.00	
52	0	0	480	.000	.00	.00	
53	0	0	480	.000	.00	.00	
54	0	0	480	.000	.00	.00	
55	0	0	480	.000	.00	.00	
56	0	0	480	.000	.00	.00	
57	0	0	480	.000	.00	.00	
58	0	0	480	.000	.00	.00	
59	0	0	480	.000	.00	.00	
60	0	0	480	.000	.00	.00	
61	0	0	480	.000	.00	.00	
62	0	0	480	.000	.00	.00	

Table B.04.025						Conditional probabilities of the maximum wind speed of less than 25 mps in the 10-15 km layer over Cape Kennedy, Florida in April.		The period of record is 1956-1963.	
i	N _{ri}	N _j	N	P _i	P _{c→}				
1	6	78	480	.125	1.0				
2	1	63	480	.131	.81				
3	3	54	480	.113	.69				
4	1	44	480	.092	.56				
5	2	37	480	.077	.47				
6	2	30	480	.063	.38				
7	0	25	480	.052	.32				
8	1	22	480	.045	.28				
9	1	19	480	.040	.24				
10	0	17	480	.035	.22				
11	0	16	480	.033	.21				
12	0	15	480	.031	.19				
13	0	13	480	.027	.17				
14	1	11	480	.023	.14				
15	0	9	480	.019	.12				
16	0	8	480	.017	.10				
17	0	7	480	.015	.09				
18	0	6	480	.013	.08				
19	0	5	480	.010	.06				
20	0	4	480	.009	.05				
21	0	3	480	.006	.04				
22	0	2	480	.004	.03				
23	1	1	480	.002	.01				
24	0	0	480	.000	.00				
25	0	0	480	.000	.00				
26	0	0	480	.000	.00				
27	0	0	480	.000	.00				
28	0	0	480	.000	.00				
29	0	0	480	.000	.00				
30	0	0	480	.000	.00				
31	0	0	480	.000	.00				
32	0	0	480	.000	.00				
33	0	0	480	.000	.00				
34	0	0	480	.000	.00				
35	0	0	480	.000	.00				
36	0	0	480	.000	.00				
37	0	0	480	.000	.00				
38	0	0	480	.000	.00				
39	0	0	480	.000	.00				
40	0	0	480	.000	.00				
41	0	0	480	.000	.00				
42	0	0	480	.000	.00				
43	0	0	480	.000	.00				
44	0	0	480	.000	.00				
45	0	0	480	.000	.00				
46	0	0	480	.000	.00				
47	0	0	480	.000	.00				
48	0	0	480	.000	.00				
49	0	0	480	.000	.00				
50	0	0	480	.000	.00				
51	0	0	480	.000	.00				
52	0	0	480	.000	.00				
53	0	0	480	.000	.00				
54	0	0	480	.000	.00				
55	0	0	480	.000	.00				
56	0	0	480	.000	.00				
57	0	0	480	.000	.00				
58	0	0	480	.000	.00				
59	0	0	480	.000	.00				
60	0	0	480	.000	.00				
61	0	0	480	.000	.00				
62	0	0	480	.000	.00				

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_{c→} : Conditional probabilities
 j : Number of periods to be added to i

j=0
 j=1
 j=2
 j=3
 j=4
 j=5
 j=10
 j=20
 j=30

i	N_{r_i}	N_i	N	P_i	$P_{C \rightarrow}$
1	2	467	480	.973	1.0
2	0	459	480	.956	.98 1.0
3	3	453	480	.944	.97 .99 1.0
4	0	447	480	.931	.96 .97 .99 1.0
5	0	444	480	.925	.95 .97 .98 .99 1.0
6	0	441	480	.919	.94 .96 .97 .98 .99 1.0
7	0	438	480	.913	.94 .95 .97 .98 .99 .99 1.0
8	0	435	480	.906	.93 .95 .96 .97 .98 .97 .99 1.0
9	1	432	480	.900	.93 .94 .95 .97 .97 .98 .99 .99 1.0
10	0	429	480	.894	.92 .93 .95 .96 .97 .97 .98 .99 .99 1.0
11	0	427	480	.890	.91 .93 .94 .96 .96 .97 .97 .98 .99 .99 1.0
12	0	425	480	.885	.91 .93 .94 .95 .96 .96 .97 .98 .98 .99 .99 1.0
13	0	423	480	.881	.91 .92 .93 .95 .95 .96 .97 .97 .98 .99 .99 .99 1.0
14	0	421	480	.877	.90 .92 .93 .94 .95 .95 .96 .97 .97 .98 .99 .99 .99 1.0
15	1	418	480	.871	.90 .91 .92 .94 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
16	0	415	480	.865	.89 .90 .92 .93 .93 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
17	0	413	480	.860	.88 .90 .91 .92 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
18	0	411	480	.856	.88 .90 .91 .92 .93 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
19	0	409	480	.852	.88 .89 .90 .91 .92 .93 .93 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
20	0	407	480	.848	.87 .89 .90 .91 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 1.0
21	0	405	480	.844	.87 .88 .89 .91 .91 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .98 .98 .99 .99 1.0
22	1	403	480	.840	.86 .88 .89 .90 .91 .91 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .98 .98 .99 .99 1.0
23	0	401	480	.835	.86 .87 .89 .90 .90 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
24	0	400	480	.833	.86 .87 .88 .89 .90 .91 .91 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
25	0	399	480	.831	.85 .87 .88 .89 .90 .90 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
26	0	398	480	.829	.85 .87 .88 .89 .90 .90 .91 .91 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
27	0	397	480	.827	.85 .86 .88 .89 .90 .90 .91 .91 .92 .93 .93 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
28	0	396	480	.825	.85 .86 .87 .89 .89 .90 .90 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
29	0	395	480	.823	.85 .86 .87 .88 .89 .90 .90 .91 .91 .92 .93 .93 .93 .94 .94 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
30	0	394	480	.821	.84 .86 .87 .88 .89 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
31	0	393	480	.819	.84 .85 .87 .88 .89 .89 .90 .90 .91 .92 .92 .92 .93 .93 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
32	0	392	480	.817	.84 .85 .87 .88 .88 .89 .89 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .99 .99 1.0
33	0	391	480	.815	.84 .85 .86 .87 .88 .88 .89 .89 .90 .90 .91 .91 .92 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .98 .98 .99 .99 1.0
34	0	390	480	.813	.84 .85 .86 .87 .88 .88 .89 .90 .90 .90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .98 .98 .98 .99 .99 1.0
35	0	389	480	.810	.83 .85 .86 .87 .88 .88 .89 .89 .90 .90 .91 .91 .92 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .97 .97 .97 .98 .98 .98 .98 .99 .99 1.0
36	0	388	480	.808	.83 .85 .86 .87 .87 .88 .88 .89 .90 .90 .90 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .97 .97 .98 .98 .98 .98 .99 .99 1.0
37	0	387	480	.806	.83 .84 .85 .87 .87 .88 .88 .89 .90 .90 .91 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .97 .97 .97 .98 .98 .98 .98 .99 .99 1.0
38	0	386	480	.804	.83 .84 .85 .86 .87 .88 .88 .89 .89 .90 .90 .91 .91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .97 .97 .97 .97 .98 .98 .98 .98 .99 .99 1.0
39	0	385	480	.802	.82 .84 .85 .86 .87 .87 .88 .88 .89 .90 .90 .90 .91 .91 .91 .9

i N_{ri} N_i N P_i P_c

Table B.04.080

Conditional probabilities of the maximum wind speed
of less than 80 mps in the 10-15 km layer over Cape
Kennedy, Florida in April
The period of record is 1956-1963.

1	1	474	480	.988	1.0
2	0	470	480	.979	1.0
3	1	467	480	.973	.99
4	0	464	480	.967	.99
5	0	462	480	.963	.99
6	0	460	480	.958	.99
7	0	458	480	.954	.99
8	0	456	480	.950	.99
9	0	454	480	.946	.99
10	0	452	480	.942	.99
11	0	450	480	.938	.99
12	0	448	480	.933	.99
13	0	446	480	.929	.99
14	0	444	480	.925	.99
15	0	442	480	.921	.99
16	0	440	480	.917	.99
17	1	438	480	.913	.99
18	0	436	480	.909	.99
19	0	435	480	.905	.99
20	0	434	480	.904	.99
21	0	433	480	.902	.99
22	0	432	480	.900	.99
23	0	431	480	.898	.99
24	0	430	480	.896	.99
25	0	429	480	.894	.99
26	0	428	480	.892	.99
27	1	427	480	.897	.99
28	0	426	480	.893	.99
29	0	426	480	.889	.99
30	0	426	480	.885	.99
31	0	426	480	.881	.99
32	0	426	480	.877	.99
33	0	426	480	.873	.99
34	0	426	480	.869	.99
35	0	426	480	.865	.99
36	0	426	480	.861	.99
37	0	426	480	.857	.99
38	0	426	480	.853	.99
39	0	426	480	.849	.99
40	0	426	480	.845	.99
41	0	426	480	.841	.99
42	0	426	480	.837	.99
43	0	426	480	.833	.99
44	0	426	480	.829	.99
45	0	426	480	.825	.99
46	0	426	480	.821	.99
47	0	426	480	.817	.99
48	0	426	480	.813	.99
49	0	426	480	.809	.99
50	0	426	480	.805	.99
51	0	426	480	.801	.99
52	0	426	480	.797	.99
53	0	426	480	.793	.99
54	0	426	480	.789	.99
55	0	426	480	.785	.99
56	0	426	480	.781	.99
57	0	426	480	.777	.99
58	0	426	480	.773	.99
59	0	426	480	.769	.99
60	0	426	480	.765	.99
61	0	426	480	.761	.99
62	0	426	480	.757	.99

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i	N_{R_i}	N_i	N	P_i	P_C	
1	1	475	480	.990	1.0	
2	0	471	480	.981	.99	1.0
3	1	468	480	.975	.99	.99 1.0
4	0	465	480	.969	.98	.99 .99 1.0
5	0	463	480	.965	.97	.99 .99 .99 1.0
6	0	461	480	.960	.97	.98 .99 .99 .99 1.0
7	0	459	480	.955	.97	.97 .98 .99 .99 .99 1.0
8	0	457	480	.952	.96	.97 .98 .99 .99 .99 .99 1.0
9	0	455	480	.948	.96	.97 .97 .98 .99 .99 .99 .99 1.0
10	0	453	480	.944	.95	.96 .97 .97 .98 .99 .99 .99 .99 1.0
11	0	451	480	.940	.95	.96 .96 .97 .97 .98 .99 .99 .99 .99 1.0
12	0	449	480	.935	.95	.95 .95 .97 .97 .97 .98 .99 .99 .99 .99 1.0
13	0	447	480	.931	.94	.95 .96 .97 .97 .97 .98 .99 .99 .99 .99 1.0
14	0	445	480	.927	.94	.94 .95 .96 .96 .97 .97 .97 .98 .99 .99 .99 1.0
15	0	443	480	.923	.93	.94 .95 .95 .96 .96 .97 .97 .97 .98 .99 .99 .99 1.0
16	0	441	480	.919	.93	.94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
17	1	439	480	.915	.92	.93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
18	0	437	480	.910	.92	.93 .93 .94 .94 .95 .95 .96 .97 .97 .98 .99 .99 .99 1.0
19	0	436	480	.908	.92	.93 .93 .94 .94 .95 .95 .96 .97 .97 .98 .99 .99 .99 1.0
20	0	435	480	.906	.92	.92 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
21	0	434	480	.904	.91	.92 .93 .93 .94 .94 .95 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
22	0	433	480	.902	.91	.92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
23	0	432	480	.900	.91	.92 .92 .93 .93 .94 .94 .95 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
24	0	431	480	.898	.91	.92 .92 .93 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
25	0	430	480	.896	.91	.91 .92 .92 .93 .93 .94 .94 .95 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
26	0	429	480	.894	.90	.91 .92 .92 .93 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
27	0	428	480	.892	.90	.91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
28	1	427	480	.890	.90	.91 .91 .92 .92 .93 .93 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
29	0	426	480	.888	.90	.90 .91 .91 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
30	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
31	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
32	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
33	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
34	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
35	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
36	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
37	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
38	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
39	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
40	0	426	480	.888	.90	.90 .91 .91 .92 .92 .92 .93 .93 .94 .94 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 .99 1.0
41	0	426	480	.888	.90	.90 .91 .91 .9

Conditional probabilities of the maximum wind speed of less than 90 mps in the 10-15 km layer over Cape Kennedy, Florida in April.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{r_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_C \rightarrow$: Conditional probabilities
 j : Number of periods to be added to i

[illegible]

Table B.05.010

Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in May.

The period of record is 1956-1963

i : Number of 12-hour periods in the run
 N_{T_i} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

i	N_{T_i}	N_i	N	P_i	P_C
1	4	13	498	.025	1.0
2	0	3	498	.010	.38 1.0
3	1	3	498	.006	.23 .65 1.0
4	1	1	498	.002	.08 .20 .33 1.0
5	0	0	498	.000	.00 .02 .30 .00 .00
6	0	0	498	.000	.00 .03 .00 .00 .03 .00
7	0	0	498	.000	.00 .03 .00 .00 .00 .00 .00
8	0	0	498	.000	.00 .00 .00 .00 .00 .09 .00 .00 .00
9	0	0	498	.000	.00 .03 .00 .00 .00 .00 .00 .00 .00 .00
10	0	0	498	.000	.00 .01 .00 .00 .00 .00 .00 .00 .00 .00 .00
11	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
12	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
13	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
14	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
15	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	498	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in May.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{Ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

[illegible]

Table B 05.060					Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in May.										
The period of record is 1956-1963.															
i	N _{ri}	N _i	N	P _i	P _c										
1	0	490	496	.988	1.0										
2	1	435	496	.978	.99	1.0									
3	1	480	496	.968	.98	.99	1.0								
4	0	476	496	.960	.97	.98	.99	1.0							
5	0	473	496	.954	.97	.98	.99	.99	1.0						
6	1	470	496	.944	.96	.97	.98	.99	.99	1.0					
7	1	467	496	.942	.95	.96	.97	.98	.99	.99	1.0				
8	0	465	496	.938	.95	.96	.97	.98	.98	.99	.99	1.0			
9	0	464	496	.935	.95	.96	.97	.97	.98	.99	.99	.99	1.0		
10	0	463	496	.933	.94	.95	.96	.97	.98	.99	.99	.99	.99	1.0	
11	0	462	496	.931	.94	.95	.96	.97	.95	.98	.99	.97	.99	.99	1.0
12	0	461	496	.929	.94	.95	.96	.97	.97	.98	.99	.99	.99	.99	1.0
13	0	460	496	.927	.94	.95	.96	.97	.97	.98	.98	.99	.99	.99	1.0
14	0	459	496	.925	.94	.95	.96	.96	.97	.98	.98	.99	.99	.99	1.0
15	0	458	496	.923	.93	.94	.95	.96	.97	.97	.98	.98	.99	.99	1.0
16	1	457	496	.921	.93	.94	.95	.96	.97	.97	.98	.98	.99	.99	1.0
17	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
18	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
19	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
20	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
21	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
22	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
23	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
24	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
25	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
26	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
27	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
28	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98	.99	1.0
29	0	456	496	.919	.93	.94	.95	.96	.96	.97	.98	.98	.98		

Table B.05.065					Conditional probabilities of the maximum wind speed of less than 65 mps in the 10-15 km layer over Cape Kennedy, Florida in May.																						
The period of record is 1956-1963.																											
i	N _{Ri}	N _i	N	P _i	P _{C→}																						
1	0	493	496	.994	1.0																						
2	1	490	496	.988	.99	1.0																					
3	0	487	496	.982	.99	.99	1.0																				
4	0	485	496	.978	.98	.99	.99	1.0																			
5	0	483	496	.974	.98	.99	.99	.99	1.0																		
6	0	481	496	.970	.98	.98	.99	.99	.99	1.0																	
7	0	479	496	.966	.97	.98	.98	.99	.99	.99	1.0																
8	0	477	496	.962	.97	.97	.98	.98	.99	.99	.99	1.0															
9	0	475	496	.958	.96	.97	.98	.98	.98	.99	.99	.99	1.0														
10	1	473	496	.954	.96	.97	.97	.98	.98	.98	.99	.99	.99	1.0													
11	0	471	496	.950	.96	.96	.97	.97	.98	.98	.98	.99	.99	.99	1.0												
12	0	470	496	.948	.95	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	1.0											
13	0	469	496	.946	.95	.96	.96	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0										
14	0	468	496	.944	.95	.96	.96	.96	.97	.97	.98	.98	.98	.99	.99	.99	.99	1.0									
15	0	467	496	.942	.95	.95	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	1.0								
16	0	466	496	.940	.95	.95	.96	.96	.96	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	1.0							
17	0	465	496	.938	.94	.95	.95	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	1.0						
18	0	464	496	.936	.94	.95	.95	.96	.96	.96	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0					
19	0	463	496	.933	.94	.94	.95	.95	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0				
20	0	462	496	.931	.94	.94	.95	.95	.96	.96	.97	.97	.97	.98	.98	.99	.99	.99	.99	.99	.99	.99	.99	1.0			
21	0	461	496	.929	.94	.94	.95	.95	.95	.96	.96	.97	.97	.97	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0		
22	0	460	496	.927	.93	.94	.94	.95	.95	.96	.96	.96	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	.99	1.0	
23	0	459	496	.925	.93	.94	.94	.95	.95	.95	.96	.96	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	1.0	
24	0	458	496	.923	.93	.93	.94	.94	.95	.95	.96	.96	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	1.0	
25	1	457	496	.921	.93	.93	.94	.94	.95	.95	.96	.96	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	.99	1.0
26	0	456	496	.919	.92	.93	.94	.94	.94	.95	.95	.96	.96	.96	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	.99	1.0
27	0	456	496	.919	.92	.93	.94	.94	.94	.95	.95	.96	.96	.96	.97	.97	.97	.97	.98	.98	.98	.98	.99	.99	.99	.99	1.0
28	0	456	496	.919	.92	.93	.94	.94	.94	.95</																	

[illegible]

i N_i N_j N P_i P_c

Table B.06.015

Conditional probabilities of the maximum wind speed
of less than 15 mps in the 10-15 km layer over Cape
Kennedy, Florida in June.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_i : Number of runs of exact length i
N_j : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	29	195	480	.406	1.0
2	7	138	480	.288	.71 1.0
3	7	109	480	.227	.56 .79 1.0
4	2	86	480	.179	.44 .62 .79 1.0
5	4	70	480	.146	.36 .51 .64 .81 1.0
6	1	56	480	.117	.29 .41 .51 .65 .80 1.0
7	1	46	480	.096	.24 .33 .42 .53 .66 .82 1.0
8	0	37	480	.077	.19 .27 .34 .43 .53 .66 .80 1.0
9	2	29	480	.060	.15 .21 .27 .34 .41 .52 .63 .78 1.0
10	3	21	480	.044	.11 .15 .19 .24 .30 .38 .46 .57 .72 1.0
11	0	15	480	.031	.08 .11 .14 .17 .21 .27 .33 .41 .52 .71 1.0
12	1	12	480	.025	.06 .09 .11 .14 .17 .21 .26 .32 .41 .57 .80 1.0
13	1	9	480	.019	.05 .07 .08 .10 .13 .16 .20 .24 .31 .43 .60 .75 1.0
14	0	7	480	.015	.04 .05 .06 .08 .10 .13 .15 .19 .24 .33 .47 .58 .78 1.0
15	0	6	480	.013	.03 .04 .06 .07 .09 .11 .13 .16 .21 .29 .40 .50 .67 .86 1.0
16	0	5	480	.010	.03 .04 .05 .06 .07 .09 .11 .14 .17 .24 .33 .42 .56 .71 .83 1.0
17	0	4	480	.008	.02 .03 .04 .05 .06 .07 .09 .11 .14 .19 .27 .33 .44 .57 .67 .80 1.0
18	0	3	480	.006	.02 .02 .03 .03 .04 .05 .07 .08 .10 .14 .20 .25 .33 .43 .50 .60 .75 1.0
19	0	2	480	.004	.01 .01 .02 .02 .03 .04 .04 .05 .07 .10 .13 .17 .22 .29 .33 .40 .50 .67 1.0
20	1	1	480	.002	.01 .01 .01 .01 .01 .02 .02 .03 .03 .05 .07 .08 .11 .14 .17 .20 .25 .33 .50 1.0
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in June.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
 j : Number of periods to be added to i

[illegible]

i	N _{Ri}	N _i	N	P _i	P _C																										
1	1	482	496	.972	1.0																										
2	1	476	496	.960	.99	1.0																									
3	0	471	496	.950	.98	.99	1.0																								
4	0	467	496	.942	.97	.98	.99	1.0																							
5	0	463	496	.933	.96	.97	.98	.99	1.0																						
6	0	459	496	.925	.95	.96	.97	.98	.99	1.0																					
7	0	455	496	.917	.94	.96	.97	.97	.98	.99	1.0																				
8	0	451	496	.909	.94	.95	.95	.97	.97	.98	.99	1.0																			
9	0	445	496	.897	.92	.93	.94	.95	.96	.97	.98	.99	1.0																		
10	0	439	496	.885	.91	.92	.93	.94	.95	.96	.96	.97	.99	1.0																	
11	0	433	496	.873	.90	.91	.92	.93	.94	.94	.95	.96	.97	.99	1.0																
12	0	427	496	.861	.89	.90	.91	.91	.92	.93	.94	.95	.96	.97	.99	1.0															
13	0	421	496	.849	.87	.88	.89	.90	.91	.92	.93	.93	.95	.96	.97	.99	1.0														
14	0	415	496	.837	.86	.87	.88	.89	.90	.90	.91	.92	.93	.95	.96	.97	.99	1.0													
15	1	409	496	.825	.85	.86	.87	.88	.88	.89	.90	.91	.92	.93	.94	.96	.97	.99	1.0												
16	0	403	496	.813	.84	.85	.86	.86	.87	.88	.89	.91	.92	.93	.94	.96	.97	.99	1.0												
17	0	398	496	.802	.83	.84	.85	.85	.86	.87	.88	.89	.91	.92	.93	.95	.96	.97	.99	1.0											
18	0	393	496	.792	.82	.83	.83	.84	.85	.86	.86	.87	.88	.90	.91	.92	.93	.95	.96	.98	.99	1.0									
19	0	388	496	.782	.80	.82	.82	.83	.84	.85	.85	.86	.87	.88	.90	.91	.92	.93	.95	.96	.97	.99	1.0								
20	0	383	496	.772	.79	.80	.81	.82	.83	.83	.84	.85	.86	.87	.88	.90	.91	.92	.94	.95	.95	.97	.99	1.0							
21	0	378	496	.762	.78	.79	.80	.81	.82	.82	.83	.84	.85	.86	.87	.89	.90	.91	.92	.94	.95	.96	.97	.99	1.0						
22	0	373	496	.752	.77	.78	.79	.80	.81	.81	.82	.83	.84	.85	.86	.87	.89	.90	.91	.93	.94	.95	.96	.97	.99	1.0					
23	0	368	496	.742	.76	.77	.78	.79	.79	.80	.81	.82	.83	.84	.85	.86	.87	.89	.90	.91	.92	.94	.95	.96	.97	.99	1.0				
24	0	363	496	.732	.75	.76	.77	.78	.78	.79	.80	.80	.82	.83	.84	.85	.86	.87	.89	.90	.91	.92	.94	.95	.96	.97	.99	1.0			
25	0	358	496	.722	.74	.75	.76	.77	.77	.78	.79	.79	.80	.82	.83	.84	.85	.86	.88	.89	.90	.91	.92	.93	.95	.96	.97	.99	1.0		
26	1	353	496	.712	.73	.74	.75	.76	.76	.77	.78	.78	.79	.80	.82	.83	.84	.85	.86	.88	.89	.90	.91	.92	.93	.95	.96	.97	.99	1.0	
27	0	348	496	.702	.72	.73	.74	.75	.75	.76	.76	.77	.78	.79	.80	.81	.83	.84	.85	.86	.87	.89	.90	.91	.92	.93	.95	.96	.97	.99	1.0
28	0	344	496	.694	.71	.72	.73	.74	.74	.75	.76	.76	.77	.78	.79	.81	.82	.83	.84	.85	.86	.88	.89	.90	.91	.9					

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956-1963.

of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in July.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
N : Total number of observations
 P_i : The probability of a run of length i
 P_C : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

[illegible]

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in August
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{T_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_C \rightarrow$: Conditional probabilities
 j : Number of periods to be added to i

[illegible]

i N_{ri} N_i N P_i P_c→

Table B.08.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in August.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c→ : Conditional probabilities
j : Number of periods to be added to i

1	1	490	496	.988	1.0
2	0	485	496	.978	.99 1.0
3	0	481	496	.970	.93 .99 1.0
4	0	477	496	.962	.97 .98 .97 1.0
5	0	473	496	.954	.97 .98 .78 .79 1.0
6	0	469	496	.946	.95 .97 .98 .98 .99 1.0
7	2	465	496	.938	.95 .96 .97 .77 .98 .99 1.0
8	0	461	496	.929	.94 .95 .95 .77 .97 .98 .99 1.0
9	0	459	496	.925	.94 .95 .95 .76 .97 .98 .99 .99 1.0
10	0	457	496	.921	.93 .94 .95 .96 .97 .97 .98 .99 .99 1.0
11	0	454	496	.915	.93 .94 .94 .95 .96 .97 .98 .98 .99 .99 1.0
12	0	451	496	.909	.92 .93 .94 .95 .95 .96 .97 .98 .98 .99 .99 1.0
13	0	448	496	.903	.91 .92 .93 .74 .95 .96 .96 .97 .98 .98 .99 .99 1.0
14	0	445	496	.897	.91 .92 .93 .73 .94 .95 .96 .97 .97 .97 .98 .99 .99 1.0
15	0	442	496	.891	.90 .91 .92 .93 .93 .94 .95 .96 .96 .97 .97 .98 .99 .99 1.0
16	0	439	496	.885	.90 .91 .91 .92 .93 .94 .94 .95 .96 .96 .97 .97 .98 .99 .99 1.0
17	1	436	496	.879	.89 .90 .91 .71 .92 .93 .94 .95 .95 .95 .96 .97 .97 .98 .99 .99 1.0
18	0	433	496	.873	.88 .89 .97 .91 .92 .92 .93 .94 .94 .95 .95 .96 .97 .97 .98 .99 .99 1.0
19	1	431	496	.869	.88 .89 .90 .90 .91 .92 .93 .93 .94 .94 .95 .96 .96 .97 .98 .98 .99 .99 1.0
20	0	428	496	.863	.87 .88 .89 .70 .70 .91 .92 .93 .93 .94 .94 .95 .96 .96 .97 .97 .98 .99 .99 1.0
21	0	426	496	.859	.87 .88 .87 .99 .90 .91 .92 .92 .93 .93 .94 .94 .95 .96 .96 .97 .98 .98 .99 .99 1.0
22	0	424	496	.855	.87 .87 .89 .99 .90 .90 .91 .92 .92 .93 .93 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
23	0	421	496	.849	.86 .87 .88 .88 .89 .90 .91 .91 .92 .92 .93 .93 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
24	0	418	496	.843	.85 .85 .97 .78 .88 .89 .90 .91 .91 .91 .92 .93 .93 .94 .95 .95 .96 .97 .97 .98 .98 .99 .99 1.0
25	0	415	496	.837	.85 .85 .94 .87 .88 .88 .89 .90 .90 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 .96 .97 .97 .98 .99 .99 1.0
26	0	412	496	.831	.84 .85 .86 .86 .87 .88 .89 .89 .90 .90 .91 .91 .92 .93 .93 .94 .94 .95 .96 .96 .97 .97 .98 .99 .99 1.0
27	0	409	496	.825	.83 .84 .85 .86 .86 .87 .88 .89 .89 .89 .90 .91 .91 .92 .93 .93 .94 .94 .95 .96 .96 .96 .97 .98 .99 .99 1.0
28	0	406	496	.819	.83 .84 .84 .85 .86 .87 .87 .88 .88 .89 .89 .90 .91 .91 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .98 .99 .99 1.0
29	0	403	496	.813	.82 .83 .84 .84 .85 .86 .87 .87 .88 .88 .89 .89 .90 .91 .91 .92 .92 .93 .94 .94 .95 .95 .96 .96 .97 .98 .99 .99 1.0
30	0	400	496	.806	.82 .82 .83 .84 .85 .85 .86 .87 .87 .88 .88 .89 .89 .90 .90 .91 .92 .92 .93 .93 .94 .94 .95 .96 .96 .97 .98 .99 .99 1.0
31	0	396	496	.798	.81 .82 .82 .93 .84 .84 .85 .86 .86 .87 .87 .88 .88 .89 .90 .90 .91 .91 .92 .93 .93 .93 .94 .95 .95 .96 .97 .98 .98 1.0
32	0	392	496	.790	.80 .81 .81 .82 .83 .84 .84 .85 .85 .86 .86 .87 .88 .88 .89 .90 .90 .91 .91 .92 .92 .92 .93 .94 .94 .95 .96 .97 .97 1.0
33	0	387	496	.780	.79 .80 .80 .81 .82 .83 .83 .84 .84 .85 .85 .86 .86 .87 .88 .88 .89 .89 .90 .90 .91 .91 .92 .93 .93 .94 .95 .95 .96 1.0
34	0	382	496	.770	.78 .77 .77 .90 .81 .81 .82 .83 .83 .84 .84 .85 .85 .86 .86 .87 .88 .88 .89 .89 .90 .90 .91 .91 .92 .93 .93 .94 .95 1.0
35	0	377	496	.760	.77 .78 .78 .79 .80 .80 .81 .82 .82 .82 .83 .84 .84 .85 .85 .86 .86 .87 .87 .88 .88 .89 .90 .90 .91 .92 .92 .93 .94 1.0
36	0	371	496	.748	.76 .76 .77 .78 .78 .79 .80 .80 .81 .81 .82 .82 .83 .83 .84 .85 .85 .86 .86 .87 .87 .88 .88 .89 .89 .90 .91 .91 .92 1.0
37	0	365	496	.736	.74 .75 .76 .77 .77 .78 .78 .79 .80 .80 .80 .81 .81 .82 .83 .83 .84 .84 .85 .85 .86 .86 .87 .87 .88 .89 .89 .90 .91 1.0
38	0	359	496	.724	.73 .74 .75 .75 .76 .77 .77 .78 .78 .79 .79 .80 .80 .81 .81 .82 .82 .83 .83 .84 .84 .85 .85 .86 .86 .87 .87 .88 .88 1.0
39	0	353	496	.712	.72 .73 .73 .74 .75 .75 .76 .77 .77 .77 .78 .78 .79 .79 .80 .80 .81 .81 .82 .82 .82 .83 .83 .84 .84 .85 .85 .86 .86 1.0
40	0	347	496	.700	.71 .72 .72 .73 .73 .74 .75 .75 .76 .76 .76 .77 .77 .78 .78 .79 .79 .80 .80 .80 .81 .81 .81 .82 .82 .83 .83 .84 .85 1.0
41	0	341	496	.688	.70 .70 .71 .71 .72 .73 .73 .74 .74 .75 .75 .76 .76 .77 .77 .78 .78 .79 .79 .80 .80 .80 .81 .81 .82 .82 .83 .83 .84 1.0
42	0	335	496	.675	.68 .69 .70 .70 .71 .71 .72 .73 .73 .73 .74 .74 .75 .75 .76 .76 .77 .77 .78 .78 .79 .79 .80 .80 .81 .81 .82 .83 .83 1.0
43	0	329	496	.663	.67 .68 .69 .69 .70 .70 .71 .71 .72 .72 .72 .73 .73 .74 .74 .75 .75 .76 .76 .77 .77 .78 .78 .79 .79 .80 .80 .81 .82 1.0
44	0	323	496	.651	.66 .67 .67 .68 .69 .69 .70 .70 .71 .71 .72 .72 .73 .73 .74 .74 .75 .75 .76 .76 .77 .77 .78 .78 .79 .80 .80 .81 1.0
45	0	317	496	.639	.65 .65 .66 .66 .67 .68 .68 .69 .69 .69 .70 .70 .71 .71 .72 .72 .73 .73 .74 .74 .75 .75 .76 .76 .77 .78 .78 .79 1.0
46	0	311	496	.627	.63 .64 .65 .65 .66 .66 .67 .67 .68 .68 .69 .69 .70 .70 .71 .71 .72 .72 .73 .73 .74 .74 .75 .75 .76 .77 .77 .78 1.0
47	1	305	496	.615	.62 .63 .63 .64 .64 .65 .66 .66 .67 .67 .68 .68 .69 .69 .70 .70 .71 .71 .72 .72 .73 .73 .74 .74 .75 .75 .76 .77 .77 1.0
48	0	299	496	.603	.61 .62 .62 .63 .63 .64 .64 .65 .65 .66 .66 .67 .67 .68 .68 .69 .69 .70 .70 .71 .71 .72 .72 .73 .73 .74 .74 .75 1.0
49	0	294	496	.593	.60 .61 .61 .62 .62 .63 .63 .64 .64 .64 .65 .65 .66 .66 .67 .67 .68 .68 .69 .69 .70 .70 .71 .71 .72 .72 .73 1.0
50	0	289	496	.583	.59 .60 .60 .61 .61 .62 .62 .63 .63 .63 .64 .64 .65 .65 .66 .66 .67 .67 .68 .68 .69 .69 .70 .70 .71 .71 .72 1.0
51	0	284	496	.573	.58 .59 .59 .60 .60 .61 .61 .62 .62 .62 .63 .63 .63 .64 .64 .65 .65 .66 .66 .66 .67 .67 .68 .68 .69 .69 .70 1.0
52	0	279	496	.563	.57 .58 .58 .58 .59 .59 .60 .60 .61 .61 .61 .61 .62 .62 .63 .63 .64 .64 .64 .65 .65 .65 .66 .66 .67 .67 .68 .68 1.0
53	0	274	496	.552	.56 .56 .57 .57 .58 .58 .59 .59 .60 .60 .60 .60 .61 .61 .62 .62 .62 .63 .63 .64 .64 .64 .65 .65 .66 .66 .67 .67 .68 1.0
54	0	269	496	.542	.55 .55 .56 .56 .57 .57 .58 .58 .59 .59 .59 .60 .60 .60 .60 .61 .61 .62 .62 .62 .63 .63 .63 .64 .64 .65 .65 .66 .66 1.0
55	0	264	496	.532	.54 .54 .55 .55 .56 .56 .57 .57 .58 .58 .59 .59 .60 .60 .60 .60 .61 .61 .61 .62 .62 .62 .63 .63 .64 .64 .65 .65 .66 1.0
56	0	258	496	.520	.53 .53 .54 .54 .55 .55 .56 .56 .57 .57 .58 .58 .59 .59 .60 .60 .60 .60 .61 .61 .61 .61 .62 .62 .63 .63 .64 .64 .65 1.0
57	0	252	496	.509	.51 .52 .52 .53 .53 .54 .54 .55 .55 .55 .56 .56 .56 .57 .57 .57 .58 .58 .58 .59 .59 .59 .60 .60 .61 .61 .62 .62 .63 1.0
58	0	246	496	.496	.50 .51 .51 .52 .52 .52 .53 .53 .54 .54 .54 .55 .55 .55 .56 .56 .56 .57 .57 .57 .58 .58 .58 .59 .59 .60 .60 .61 .61 1.0
59	0	240	496	.484	.49 .49 .50 .50 .51 .51 .52 .52 .52 .53 .53 .53 .54 .54 .54 .55 .55 .55 .56 .56 .56 .57 .57 .57 .58 .58 .59 .59 .60 1.0
60	0	234	496	.472	.48 .48 .49 .49 .49 .49 .50 .50 .51 .51 .51 .51 .52 .52 .52 .53 .53 .53 .54 .54 .54 .55 .55 .55 .56 .56 .56 .57 .57 .58 1.0
61	0	228	496	.460	.47 .47 .47 .48 .48 .49 .49 .49 .50 .50 .50 .50 .51 .51 .51 .52 .52 .52 .53 .53 .53 .54 .54 .54 .55 .55 .55 .56 .56 .57 1.0
62	0	221	496	.446	.45 .46 .46 .46 .46 .47 .47 .48 .48 .48 .48 .49 .49 .49 .50 .50 .50 .50 .51 .51 .51 .51 .52 .52 .52 .52 .53 .53 .54 .54 .55 1.0

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

i N_{ri} N_i N P_i P_c

Table B 09.005

Conditional probabilities of the maximum wind speed
of less than 5 mps in the 10-15 km layer over Cape
Kennedy, Florida in September.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities.
j : Number of periods to be added to i

1	7	10	480	.021	1.0
2	2	2	480	.004	.20
3	0	0	480	.000	.00
4	0	0	480	.000	.00
5	0	0	480	.000	.00
6	0	0	480	.000	.00
7	0	0	480	.000	.00
8	0	0	480	.000	.00
9	0	0	480	.000	.00
10	0	0	480	.000	.00
11	0	0	480	.000	.00
12	0	0	480	.000	.00
13	0	0	480	.000	.00
14	0	0	480	.000	.00
15	0	0	480	.000	.00
16	0	0	480	.000	.00
17	0	0	480	.000	.00
18	0	0	480	.000	.00
19	0	0	480	.000	.00
20	0	0	480	.000	.00
21	0	0	480	.000	.00
22	0	0	480	.000	.00
23	0	0	480	.000	.00
24	0	0	480	.000	.00
25	0	0	480	.000	.00
26	0	0	480	.000	.00
27	0	0	480	.000	.00
28	0	0	480	.000	.00
29	0	0	480	.000	.00
30	0	0	480	.000	.00
31	0	0	480	.000	.00
32	0	0	480	.000	.00
33	0	0	480	.000	.00
34	0	0	480	.000	.00
35	0	0	480	.000	.00
36	0	0	480	.000	.00
37	0	0	480	.000	.00
38	0	0	480	.000	.00
39	0	0	480	.000	.00
40	0	0	480	.000	.00
41	0	0	480	.000	.00
42	0	0	480	.000	.00
43	0	0	480	.000	.00
44	0	0	480	.000	.00
45	0	0	480	.000	.00
46	0	0	480	.000	.00
47	0	0	480	.000	.00
48	0	0	480	.000	.00
49	0	0	480	.000	.00
50	0	0	480	.000	.00
51	0	0	480	.000	.00
52	0	0	480	.000	.00
53	0	0	480	.000	.00
54	0	0	480	.000	.00
55	0	0	480	.000	.00
56	0	0	480	.000	.00
57	0	0	480	.000	.00
58	0	0	480	.000	.00
59	0	0	480	.000	.00
60	0	0	480	.000	.00
61	0	0	480	.000	.00
62	0	0	480	.000	.00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i N _{ri} N _i N P _i P _{c→}					Table B.09.010		Conditional probabilities of the maximum wind speed of less than 10 mps in the 10-15 km layer over Cape Kennedy, Florida in September. The period of record is 1956-1963.			
1	25	79	480	.165	1.0					
2	8	39	480	.081	.49	1.0				
3	3	22	480	.046	.28	.56	1.0			
4	1	13	480	.027	.16	.33	.59	1.0		
5	3	7	480	.015	.09	.18	.32	.54	1.0	
6	2	2	480	.004	.03	.05	.09	.15	.29	1.0
7	0	0	480	.000	.00	.00	.00	.00	.00	.00
8	0	0	480	.000	.00	.00	.00	.00	.00	.00
9	0	0	480	.000	.00	.00	.00	.00	.00	.00
10	0	0	480	.000	.00	.00	.00	.00	.00	.00
11	0	0	480	.000	.00	.00	.00	.00	.00	.00
12	0	0	480	.000	.00	.00	.00	.00	.00	.00
13	0	0	480	.000	.00	.00	.00	.00	.00	.00
14	0	0	480	.000	.00	.00	.00	.00	.00	.00
15	0	0	480	.000	.00	.00	.00	.00	.00	.00
16	0	0	480	.000	.00	.00	.00	.00	.00	.00
17	0	0	480	.000	.00	.00	.00	.00	.00	.00
18	0	0	480	.000	.00	.00	.00	.00	.00	.00
19	0	0	480	.000	.00	.00	.00	.00	.00	.00
20	0	0	480	.000	.00	.00	.00	.00	.00	.00
21	0	0	480	.000	.00	.00	.00	.00	.00	.00
22	0	0	480	.000	.00	.00	.00	.00	.00	.00
23	0	0	480	.000	.00	.00	.00	.00	.00	.00
24	0	0	480	.000	.00	.00	.00	.00	.00	.00
25	0	0	480	.000	.00	.00	.00	.00	.00	.00
26	0	0	480	.000	.00	.00	.00	.00	.00	.00
27	0	0	480	.000	.00	.00	.00	.00	.00	.00
28	0	0	480	.000	.00	.00	.00	.00	.00	.00
29	0	0	480	.000	.00	.00	.00	.00	.00	.00
30	0	0	480	.000	.00	.00	.00	.00	.00	.00
31	0	0	480	.000	.00	.00	.00	.00	.00	.00
32	0	0	480	.000	.00	.00	.00	.00	.00	.00
33	0	0	480	.000	.00	.00	.00	.00	.00	.00
34	0	0	480	.000	.00	.00	.00	.00	.00	.00
35	0	0	480	.000	.00	.00	.00	.00	.00	.00
36	0	0	480	.000	.00	.00	.00	.00	.00	.00
37	0	0	480	.000	.00	.00	.00	.00	.00	.00
38	0	0	480	.000	.00	.00	.00	.00	.00	.00
39	0	0	480	.000	.00	.00	.00	.00	.00	.00
40	0	0	480	.000	.00	.00	.00	.00	.00	.00
41	0	0	480	.000	.00	.00	.00	.00	.00	.00
42	0	0	480	.000	.00	.00	.00	.00	.00	.00
43	0	0	480	.000	.00	.00	.00	.00	.00	.00
44	0	0	480	.000	.00	.00	.00	.00	.00	.00
45	0	0	480	.000	.00	.00	.00	.00	.00	.00
46	0	0	480	.000	.00	.00	.00	.00	.00	.00
47	0	0	480	.000	.00	.00	.00	.00	.00	.00
48	0	0	480	.000	.00	.00	.00	.00	.00	.00
49	0	0	480	.000	.00	.00	.00	.00	.00	.00
50	0	0	480	.000	.00	.00	.00	.00	.00	.00
51	0	0	480	.000	.00	.00	.00	.00	.00	.00
52	0	0	480	.000	.00	.00	.00	.00	.00	.00
53	0	0	480	.000	.00	.00	.00	.00	.00	.00
54	0	0	480	.000	.00	.00	.00	.00	.00	.00
55	0	0	480	.000	.00	.00	.00	.00	.00	.00
56	0	0	480	.000	.00	.00	.00	.00	.00	.00
57	0	0	480	.000	.00	.00	.00	.00	.00	.00
58	0	0	480	.000	.00	.00	.00	.00	.00	.00
59	0	0	480	.000	.00	.00	.00	.00	.00	.00
60	0	0	480	.000	.00	.00	.00	.00	.00	.00
61	0	0	480	.000	.00	.00	.00	.00	.00	.00
62	0	0	480	.000	.00	.00	.00	.00	.00	.00

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 P_{c→} : Conditional probabilities
 j : Number of periods to be added to i

j=0
 j=1
 j=2
 j=3
 j=4
 j=5
 j=10
 j=20
 j=30

i N_{ri} N_i N P_i P_c→

Table B.09.015

Conditional probabilities of the maximum wind speed of less than 15 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956-1963.

1	13	204	480	.425	1.0
2	7	161	480	.335	.79 1.0
3	4	130	480	.271	.64 .61 1.0
4	2	106	480	.221	.52 .46 .82 1.0
5	4	87	480	.181	.43 .54 .67 .82 1.0
6	0	70	480	.146	.34 .43 .54 .66 .80 1.0
7	3	57	480	.119	.28 .35 .44 .54 .65 .81 1.0
8	2	43	480	.090	.21 .27 .33 .41 .47 .61 .75 1.0
9	1	32	480	.067	.16 .20 .25 .30 .37 .46 .56 .74 1.0
10	2	23	480	.048	.11 .14 .18 .22 .26 .33 .40 .53 .72 1.0
11	2	15	480	.031	.07 .09 .12 .14 .17 .21 .26 .35 .47 .65 1.0
12	1	9	480	.019	.04 .06 .07 .08 .10 .13 .16 .21 .28 .39 .60 1.0
13	1	5	480	.010	.02 .03 .04 .05 .06 .07 .09 .12 .16 .22 .33 .56 1.0
14	2	2	480	.004	.01 .01 .02 .02 .02 .03 .04 .05 .06 .09 .13 .22 .40 1.0
15	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
16	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
17	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
18	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
19	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
20	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
21	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
22	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
23	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
24	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
25	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
26	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
27	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
28	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
29	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
30	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
31	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
32	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
33	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
34	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
35	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
36	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
37	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
38	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
39	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
40	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
41	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
42	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
43	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
44	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
45	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
46	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
47	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
48	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
49	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
50	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
51	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
52	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
53	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
54	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
55	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
56	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
57	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
58	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
59	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
60	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
61	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00
62	0	0	480	.000	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c→ : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

i N_{ri} N_i N P_i P_c

Table B.09.020

Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in September
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	11	320	480	.667	1.0
2	2	276	480	.575	.86 1.0
3	3	241	480	.502	.75 .87 1.0
4	5	208	480	.433	.65 .75 .86 1.0
5	5	178	480	.371	.56 .64 .74 .86 1.0
6	2	153	480	.319	.48 .55 .63 .74 .86 1.0
7	3	133	480	.277	.42 .48 .55 .64 .75 .87 1.0
8	4	115	480	.240	.36 .42 .49 .55 .65 .75 .86 1.0
9	0	97	480	.202	.30 .35 .40 .47 .54 .63 .73 .84 1.0
10	0	82	480	.171	.26 .30 .34 .39 .46 .54 .62 .71 .85 1.0
11	2	67	480	.140	.21 .24 .28 .32 .38 .44 .50 .58 .69 .82 1.0
12	2	52	480	.108	.16 .19 .22 .25 .29 .34 .39 .45 .54 .63 .78 1.0
13	3	39	480	.081	.12 .14 .16 .19 .22 .25 .29 .34 .40 .48 .58 .75 1.0
14	3	28	480	.058	.09 .10 .12 .13 .16 .18 .21 .24 .29 .34 .42 .54 .72 1.0
15	2	20	480	.042	.06 .07 .08 .10 .11 .13 .15 .17 .21 .24 .30 .38 .51 .71 1.0
16	1	15	480	.031	.05 .05 .06 .07 .08 .10 .11 .13 .15 .18 .22 .29 .38 .54 .75 1.0
17	0	12	480	.025	.04 .04 .05 .06 .07 .08 .09 .10 .12 .15 .18 .23 .31 .43 .60 .80 1.0
18	0	10	480	.021	.03 .04 .04 .05 .06 .07 .08 .09 .10 .12 .15 .19 .26 .36 .50 .67 .83 1.0
19	0	8	480	.017	.03 .03 .03 .04 .04 .05 .06 .07 .08 .10 .12 .15 .21 .29 .40 .53 .67 .80 1.0
20	0	6	480	.013	.02 .02 .02 .03 .03 .04 .05 .05 .06 .07 .09 .12 .15 .21 .30 .40 .50 .60 .75 1.0
21	0	4	480	.008	.01 .01 .02 .02 .02 .03 .03 .03 .04 .05 .06 .08 .10 .14 .20 .27 .33 .40 .50 .67 1.0
22	2	2	480	.004	.01 .01 .01 .01 .01 .01 .02 .02 .02 .02 .03 .04 .05 .07 .10 .13 .17 .20 .25 .33 .50 1.0
23	0	0	480	.000	.00 .00
24	0	0	480	.000	.00 .00
25	0	0	480	.000	.00 .00
26	0	0	480	.000	.00 .00
27	0	0	480	.000	.00 .00
28	0	0	480	.000	.00 .00
29	0	0	480	.000	.00 .00
30	0	0	480	.000	.00 .00
31	0	0	480	.000	.00 .00
32	0	0	480	.000	.00 .00
33	0	0	480	.000	.00 .00
34	0	0	480	.000	.00 .00
35	0	0	480	.000	.00 .00
36	0	0	480	.000	.00 .00
37	0	0	480	.000	.00 .00
38	0	0	480	.000	.00 .00
39	0	0	480	.000	.00 .00
40	0	0	480	.000	.00 .00
41	0	0	480	.000	.00 .00
42	0	0	480	.000	.00 .00
43	0	0	480	.000	.00 .00
44	0	0	480	.000	.00 .00
45	0	0	480	.000	.00 .00
46	0	0	480	.000	.00 .00
47	0	0	480	.000	.00 .00
48	0	0	480	.000	.00 .00
49	0	0	480	.000	.00 .00
50	0	0	480	.000	.00 .00
51	0	0	480	.000	.00 .00
52	0	0	480	.000	.00 .00
53	0	0	480	.000	.00 .00
54	0	0	480	.000	.00 .00
55	0	0	480	.000	.00 .00
56	0	0	480	.000	.00 .00
57	0	0	480	.000	.00 .00
58	0	0	480	.000	.00 .00
59	0	0	480	.000	.00 .00
60	0	0	480	.000	.00 .00
61	0	0	480	.000	.00 .00
62	0	0	480	.000	.00 .00

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

[illegible]

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956-1963.

of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in September.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{ri} : Number of runs of exact length i
 N_j : Number of runs equal to or greater than i
N : Total number of observations
 P_i : The probability of a run of length i
 P_c : Conditional probabilities
j : Number of periods to be added to i

1	1	454	480	.946	1.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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[illegible]

[illegible]

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Table B.10.035					Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in October.		The period of record is 1956-1963.																							
i	N _{R_i}	N _i	N	P _i	P _C																									
1	7	357	496	.720	1.0																									
2	7	319	496	.643	.89	1.0																								
3	6	288	496	.581	.81	.90	1.0																							
4	1	262	496	.528	.73	.82	.91	1.0																						
5	2	241	496	.486	.68	.76	.84	.92	1.0																					
6	1	221	496	.446	.62	.69	.77	.86	.92	1.0																				
7	1	202	496	.407	.57	.63	.70	.77	.84	.91	1.0																			
8	1	184	496	.371	.52	.58	.64	.70	.76	.83	.91	1.0																		
9	0	167	496	.337	.47	.52	.58	.64	.69	.76	.83	.91	1.0																	
10	1	151	496	.304	.42	.47	.52	.58	.63	.68	.75	.82	.90	1.0																
11	0	135	496	.272	.38	.42	.47	.52	.56	.61	.67	.73	.81	.89	1.0															
12	3	120	496	.242	.34	.38	.42	.46	.50	.54	.59	.65	.72	.79	.89	1.0														
13	0	105	496	.212	.29	.33	.36	.40	.44	.48	.52	.57	.63	.70	.78	.88	1.0													
14	1	93	496	.188	.26	.29	.32	.35	.39	.42	.46	.51	.56	.62	.69	.78	.89	1.0												
15	1	81	496	.163	.23	.25	.28	.31	.34	.37	.40	.44	.49	.54	.60	.68	.77	.87	1.0											
16	1	70	496	.141	.20	.22	.24	.27	.29	.32	.35	.38	.42	.46	.52	.58	.67	.75	.86	1.0										
17	1	60	496	.121	.17	.19	.21	.23	.25	.27	.30	.33	.36	.40	.44	.50	.57	.65	.74	.86	1.0									
18	3	51	496	.103	.14	.16	.18	.19	.21	.23	.25	.28	.31	.34	.38	.43	.49	.55	.63	.73	.85	1.0								
19	1	43	496	.087	.12	.13	.15	.16	.18	.19	.21	.23	.26	.28	.32	.36	.41	.46	.53	.61	.72	.84	1.0							
20	0	38	496	.077	.11	.12	.13	.15	.16	.17	.19	.21	.23	.25	.28	.32	.36	.41	.47	.54	.63	.75	.88	1.0						
21	0	34	496	.069	.10	.11	.12	.13	.14	.15	.17	.18	.20	.23	.25	.28	.32	.37	.42	.49	.57	.67	.79	.89	1.0					
22	0	30	496	.060	.08	.09	.10	.11	.12	.14	.15	.16	.18	.20	.22	.25	.29	.32	.37	.43	.50	.59	.70	.79	.88	1.0				
23	0	26	496	.052	.07	.08	.09	.10	.11	.12	.13	.14	.16	.17	.19	.22	.25	.28	.32	.37	.43	.51	.60	.68	.76	.87	1.0			
24	1	22	496	.044	.06	.07	.08	.09	.10	.11	.12	.13	.15	.16	.18	.21	.24	.27	.31	.37	.43	.51	.58	.65	.73	.85	1.0			
25	1	18	496	.036	.05	.06	.06	.07	.07	.08	.09	.10	.11	.12	.13	.15	.17	.19	.22	.26	.30	.35	.42	.47	.53	.60	.69	.82	1.0	
26	0	15	496	.030	.04	.05	.05	.06	.06	.07	.08	.09	.10	.11	.13	.14	.16	.19	.21	.25	.29	.35	.39	.44	.50	.58	.68	.83	1.0	
27	0	13	496	.026	.04	.04	.05	.05	.06	.06	.07	.08	.09	.10	.11	.12	.14	.16	.19	.22	.25	.30	.34	.38	.43	.50	.59	.72	.87	1.0

Table B.10.040					Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in October. The period of record is 1956-1963.																			
i	N _{ri}	N _i	N	P _i	P _c																			
1	7	406	496	.819	1.0																			
2	4	375	496	.756	.92	1.0																		
3	5	349	496	.704	.86	.93	1.0																	
4	1	326	496	.657	.80	.87	.93	1.0																
5	2	307	496	.619	.76	.82	.88	.94	1.0															
6	2	288	496	.581	.71	.77	.83	.88	.94	1.0														
7	2	270	496	.544	.67	.72	.77	.83	.88	.94	1.0													
8	0	254	496	.512	.63	.68	.73	.78	.83	.88	.94	1.0												
9	1	240	496	.484	.59	.64	.69	.74	.78	.83	.89	.94	1.0											
10	2	226	496	.456	.56	.60	.65	.69	.74	.78	.84	.89	.94	1.0										
11	0	213	496	.429	.52	.57	.61	.65	.69	.74	.79	.84	.89	.94	1.0									
12	1	202	496	.407	.50	.54	.58	.62	.66	.70	.75	.80	.84	.89	.95	1.0								
13	0	191	496	.385	.47	.51	.55	.59	.62	.66	.71	.75	.80	.85	.90	.95	1.0							
14	0	181	496	.365	.45	.48	.52	.56	.59	.63	.67	.71	.75	.80	.85	.90	.95	1.0						
15	0	171	496	.345	.42	.46	.49	.52	.56	.59	.63	.67	.71	.76	.80	.85	.90	.94	1.0					
16	1	161	496	.325	.40	.43	.46	.49	.52	.56	.60	.63	.67	.71	.76	.80	.84	.89	.94	1.0				
17	0	151	496	.304	.37	.40	.43	.46	.49	.52	.56	.59	.63	.67	.71	.75	.79	.83	.88	.94	1.0			
18	2	142	496	.286	.35	.38	.41	.44	.46	.49	.53	.56	.59	.63	.67	.70	.74	.78	.83	.88	.94	1.0		
19	0	133	496	.268	.33	.35	.38	.41	.43	.46	.49	.52	.55	.59	.62	.66	.70	.73	.78	.83	.88	.94	1.0	
20	0	125	496	.252	.31	.33	.36	.38	.41	.43	.46	.49	.52	.55	.59	.62	.65	.69	.73	.78	.83	.88	.94	1.0
21	0	117	496	.236	.29	.31	.34	.36	.38															

i	N _i	N _i	N	P _i	P _C	
1	2	479	496	.966	1.0	
2	1	470	496	.948	.98	1.0
3	0	463	496	.933	.97	.99 1.0
4	0	457	496	.921	.95	.97 .99 1.0
5	1	450	496	.907	.94	.96 .97 .98 1.0
6	0	443	496	.893	.92	.94 .96 .97 .98 1.0
7	0	436	496	.879	.91	.93 .94 .95 .97 .98 1.0
8	0	429	496	.865	.90	.91 .93 .94 .95 .97 .98 1.0
9	0	422	496	.851	.88	.90 .91 .92 .94 .95 .97 .98 1.0
10	0	415	496	.837	.87	.88 .90 .91 .92 .94 .95 .97 .98 1.0
11	0	408	496	.823	.85	.87 .88 .89 .91 .92 .94 .95 .97 .98 1.0
12	1	401	496	.809	.84	.85 .87 .88 .89 .91 .92 .93 .95 .97 .98 1.0
13	0	394	496	.794	.82	.84 .85 .86 .88 .89 .90 .92 .93 .95 .97 .98 1.0
14	1	386	496	.778	.81	.82 .83 .84 .86 .87 .89 .90 .91 .93 .95 .96 .98 1.0
15	0	378	496	.762	.79	.80 .82 .83 .84 .85 .87 .88 .90 .91 .93 .94 .96 .98 1.0
16	0	371	496	.748	.77	.79 .80 .81 .82 .84 .85 .86 .88 .89 .91 .93 .94 .96 .98 1.0
17	0	363	496	.732	.76	.77 .78 .79 .81 .82 .83 .85 .86 .87 .89 .91 .92 .94 .96 .98 1.0
18	0	355	496	.716	.74	.76 .77 .78 .79 .80 .81 .83 .84 .86 .87 .89 .90 .92 .94 .96 .98 1.0
19	0	347	496	.700	.72	.74 .75 .76 .77 .78 .80 .81 .82 .84 .85 .87 .88 .90 .92 .94 .96 .98 1.0
20	0	339	496	.683	.71	.72 .73 .74 .75 .77 .78 .79 .80 .82 .83 .85 .86 .88 .90 .91 .93 .95 .98 1.0
21	0	331	496	.667	.69	.70 .71 .72 .74 .75 .76 .77 .78 .80 .81 .83 .84 .86 .88 .89 .91 .93 .95 .98 1.0
22	0	323	496	.651	.67	.69 .70 .71 .72 .73 .74 .75 .77 .78 .79 .81 .82 .84 .85 .87 .89 .91 .93 .95 .98 1.0
23	1	315	496	.635	.66	.67 .68 .69 .70 .71 .72 .73 .75 .76 .77 .79 .80 .82 .83 .85 .87 .89 .91 .93 .95 .98 1.0
24	0	307	496	.619	.64	.65 .66 .67 .68 .69 .70 .72 .73 .74 .75 .77 .78 .80 .81 .83 .85 .86 .88 .91 .93 .95 .97 1.0
25	0	300	496	.603	.63	.64 .65 .66 .67 .68 .69 .70 .71 .72 .74 .75 .76 .78 .79 .81 .83 .85 .86 .88 .91 .93 .95 .98 1.0
26	1	293	496	.591	.61	.62 .63 .64 .65 .66 .67 .68 .69 .71 .72 .73 .74 .76 .78 .79 .81 .83 .84 .86 .89 .91 .93 .95 .98 1.0
27	0	285	496	.575	.59	.61 .62 .63 .64 .65 .66 .68 .69 .70 .71 .72 .74 .75 .77 .79 .80 .82 .84 .86 .88 .90 .93 .95 .97 1.0
28	0	278	496	.560	.58	.59 .60 .61 .62 .63 .64 .65 .66 .67 .68 .69 .71 .72 .74 .75 .77 .78 .80 .82 .84 .86 .88 .91 .93 .95 .98 1.0
29	1	271	496	.546	.57	.58 .59 .59 .60 .61 .62 .63 .64 .65 .66 .68 .69 .70 .72 .73 .75 .76 .78 .80 .82 .84 .86 .88 .90 .92 .95 .97 1.0
30	0	264	496	.532	.55	.56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .66 .67 .68 .70 .71 .73 .74 .76 .78 .80 .82 .84 .86 .88 .90 .93 .95 .97 1.0
31	0	258	496	.520	.54	.55 .56 .56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .67 .68 .70 .71 .73 .74 .76 .78 .80 .82 .84 .86 .88 .91 .93 .95
32	0	252	496	.508	.53	.54 .54 .55 .56 .57 .58 .59 .60 .61 .62 .63 .64 .65 .67 .68 .69 .71 .73 .74 .76 .78 .80 .82 .84 .86 .88 .91 .93
33	0	246	496	.496	.51	.52 .53 .54 .55 .56 .56 .57 .58 .59 .60 .61 .62 .64 .65 .66 .68 .69 .71 .73 .74 .76 .78 .80 .82 .84 .86 .88 .91
34	0	240	496	.484	.50	.51 .52 .53 .53 .54 .55 .56 .57 .58 .59 .60 .61 .62 .63 .65 .66 .68 .69 .71 .73 .74 .76 .78 .80 .82 .84 .86 .89
35	0	234	496	.472	.49	.50 .51 .51 .52 .53 .54 .55 .55 .56 .57 .58 .59 .61 .62 .63 .64 .66 .67 .69 .71 .72 .74 .76 .78 .80 .82 .84 .86
36	0	228	496	.460	.48	.49 .49 .50 .51 .51 .52 .53 .54 .55 .56 .57 .58 .59 .60 .61 .63 .64 .66 .67 .69 .71 .72 .74 .76 .78 .80 .82 .84
37	0	222	496	.448	.46	.47 .48 .49 .49 .50 .51 .52 .53 .53 .54 .55 .56 .58 .59 .60 .61 .63 .64 .66 .67 .69 .70 .72 .74 .76 .78 .80 .82
38	0	216	496	.435	.45	.46 .47 .47 .48 .49 .50 .50 .51 .52 .53 .54 .55 .56 .57 .58 .60 .61 .62 .64 .65 .67 .69 .70 .72 .74 .76 .78 .80
39	0	210	496	.423	.44	.45 .45 .46 .47 .47 .48 .49 .50 .51 .51 .52 .53 .54 .56 .57 .58 .59 .61 .62 .63 .65 .67 .68 .70 .72 .74 .76 .77
40	0	204	496	.411	.43	.43 .44 .45 .44 .46 .47 .48 .48 .49 .50 .51 .52 .53 .54 .55 .56 .57 .59 .60 .62 .63 .65 .66 .68 .70 .72 .73 .75
41	1	198	496	.399	.41	.42 .43 .43 .44 .45 .45 .46 .47 .48 .49 .50 .51 .52 .53 .55 .56 .57 .58 .60 .61 .63 .64 .66 .68 .69 .71 .73
42	0	192	496	.387	.40	.41 .41 .42 .43 .43 .44 .45 .45 .46 .47 .48 .49 .50 .51 .52 .53 .54 .55 .57 .58 .59 .61 .63 .64 .66 .67 .69 .71
43	0	187	496	.377	.39	.40 .40 .41 .42 .42 .43 .44 .44 .45 .46 .47 .47 .48 .49 .50 .52 .53 .54 .55 .56 .58 .59 .61 .62 .64 .66 .67 .69
44	0	182	496	.367	.38	.39 .39 .40 .40 .41 .42 .42 .43 .44 .45 .45 .46 .47 .48 .49 .50 .51 .52 .54 .55 .56 .58 .59 .61 .62 .64 .65 .67
45	0	177	496	.357	.37	.38 .38 .39 .39 .40 .41 .41 .42 .43 .43 .44 .45 .46 .47 .48 .49 .50 .51 .52 .53 .55 .56 .58 .59 .60 .62 .64 .65
46	0	172	496	.347	.36	.37 .37 .38 .38 .39 .39 .40 .41 .41 .42 .43 .44 .45 .46 .46 .47 .48 .50 .51 .52 .53 .55 .56 .57 .59 .60 .62 .63
47	0	167	496	.337	.35	.36 .36 .37 .37 .38 .38 .39 .40 .40 .41 .42 .42 .43 .44 .45 .46 .47 .48 .49 .50 .52 .53 .54 .56 .57 .59 .60 .62
48	0	162	496	.327	.34	.34 .35 .35 .36 .37 .37 .38 .38 .39 .40 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .54 .55 .57 .58 .60
49	0	157	496	.317	.33	.33 .34 .34 .35 .35 .36 .37 .37 .38 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .49 .50 .51 .53 .54 .55 .57 .58 .60
50	0	151	496	.304	.32	.32 .33 .33 .34 .34 .35 .35 .36 .36 .37 .38 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .52 .53 .54 .56
51	0	145	496	.292	.30	.31 .31 .32 .32 .33 .33 .34 .34 .35 .36 .36 .37 .38 .38 .39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .51 .52 .54
52	0	139	496	.280	.29	.30 .30 .30 .31 .31 .32 .32 .33 .33 .34 .35 .35 .36 .37 .37 .38 .39 .40 .41 .42 .43 .44 .45 .45 .47 .49 .50 .51
53	0	133	496	.269	.28	.28 .29 .29 .30 .30 .31 .31 .32 .32 .33 .33 .34 .35 .35 .36 .37 .37 .38 .39 .40 .41 .42 .43 .44 .45 .47 .48 .49
54	1	127	496	.256	.27	.27 .27 .28 .28 .29 .29 .30 .30 .31 .31 .32 .32 .33 .34 .34 .35 .36 .37 .37 .38 .39 .40 .41 .42 .43 .45 .46 .47
55	0	121	496	.244	.25	.26 .26 .26 .27 .27 .28 .28 .29 .29 .30 .30 .31 .31 .32 .33 .33 .34 .35 .36 .37 .37 .38 .39 .40 .41 .42 .44 .45
56	0	116	496	.234	.24	.25 .25 .25 .26 .26 .27 .27 .27 .28 .28 .29 .29 .30 .31 .31 .32 .33 .33 .34 .35 .36 .37 .38 .39 .40 .41 .42 .43
57	1	111	496	.224	.23	.24 .24 .24 .25 .25 .26 .26 .27 .27 .28 .28 .29 .29 .30 .31 .31 .32 .33 .34 .34 .35 .36 .37 .38 .39 .40 .41
58	0	106	496	.214	.22	.23 .23 .23 .24 .24 .24 .25 .25 .26 .26 .26 .27 .27 .28 .29 .29 .30 .31 .31 .32 .33 .34 .35 .35 .36 .37 .38 .39
59	0	102	496	.206	.21	.22 .22 .22 .23 .23 .23 .24 .24 .25 .25 .25 .26 .26 .27 .27 .28 .29 .29 .30 .31 .32 .32 .33 .34 .35 .36 .37 .38
60	0	98	496	.198	.20	.21 .21 .21 .22 .22 .22 .23 .23 .24 .24 .24 .25 .26 .26 .27 .28 .28 .29 .30 .30 .31 .32 .33 .33 .34 .35 .36
61	0	94	496	.190	.20	.20 .20 .21 .21 .21 .21 .22 .22 .22 .23 .23 .24 .24 .25 .25 .26 .27 .28 .28 .29 .30 .31 .31 .32 .33 .34 .35
62	0	90	496	.181	.19	.19 .19 .20 .20 .20 .21 .21 .21 .22 .22 .22 .23 .24 .24 .25 .25 .26 .27 .27 .28 .29 .29 .30 .31 .32 .32 .33

[illegible]

[illegible]

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i N_{ri} N_i N P_i P_c→

Table B.11.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in November.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c→ : Conditional probabilities
j : Number of periods to be added to i

1	16	142	480	.296	1.0
2	7	101	480	.210	.71 1.0
3	3	76	480	.158	.54 .75 1.0
4	5	58	480	.121	.41 .57 .76 1.0
5	6	42	480	.088	.30 .42 .55 .72 1.0
6	0	31	480	.065	.22 .31 .41 .53 .74 1.0
7	1	26	480	.054	.18 .26 .34 .45 .62 .84 1.0
8	1	21	480	.044	.15 .21 .28 .36 .50 .65 .81 1.0
9	1	17	480	.035	.12 .17 .22 .29 .40 .55 .65 .81 1.0
10	1	14	480	.029	.10 .14 .18 .24 .31 .45 .54 .67 .82 1.0
11	0	12	480	.025	.08 .12 .16 .21 .29 .39 .46 .57 .71 .86 1.0
12	0	11	480	.023	.08 .11 .14 .19 .26 .35 .42 .52 .65 .79 .92 1.0
13	0	10	480	.021	.07 .10 .13 .17 .24 .32 .38 .48 .59 .71 .83 .91 1.0
14	0	9	480	.019	.06 .09 .12 .16 .21 .29 .35 .43 .53 .64 .75 .82 .90 1.0
15	0	8	480	.017	.06 .08 .11 .14 .19 .26 .31 .38 .47 .57 .67 .73 .80 .89 1.0
16	0	7	480	.015	.05 .07 .09 .12 .17 .23 .27 .33 .41 .50 .58 .64 .70 .78 .88 1.0
17	0	6	480	.013	.04 .06 .08 .10 .14 .19 .23 .29 .35 .43 .50 .55 .60 .67 .75 .85 1.0
18	0	5	480	.010	.04 .05 .07 .09 .12 .16 .19 .24 .29 .36 .42 .49 .50 .56 .63 .71 .83 1.0
19	0	4	480	.008	.03 .04 .05 .07 .10 .13 .15 .19 .24 .29 .33 .36 .40 .44 .50 .57 .67 .80 1.0
20	0	3	480	.006	.02 .03 .04 .05 .07 .10 .12 .14 .18 .21 .25 .27 .30 .33 .38 .43 .50 .60 .75 1.0
21	0	2	480	.004	.01 .02 .03 .03 .05 .06 .08 .10 .12 .14 .17 .18 .20 .22 .25 .29 .33 .40 .50 .67 1.0
22	1	1	480	.002	.01 .01 .01 .02 .02 .03 .04 .05 .06 .07 .08 .09 .10 .11 .13 .14 .17 .20 .25 .33 .50 1.0
23	0	0	480	.000	.00 .00
24	0	0	480	.000	.00 .00
25	0	0	480	.000	.00 .00
26	0	0	480	.000	.00 .00
27	0	0	480	.000	.00 .00
28	0	0	480	.000	.00 .00
29	0	0	480	.000	.00 .00
30	0	0	480	.000	.00 .00
31	0	0	480	.000	.00 .00
32	0	0	480	.000	.00 .00
33	0	0	480	.000	.00 .00
34	0	0	480	.000	.00 .00
35	0	0	480	.000	.00 .00
36	0	0	480	.000	.00 .00
37	0	0	480	.000	.00 .00
38	0	0	480	.000	.00 .00
39	0	0	480	.000	.00 .00
40	0	0	480	.000	.00 .00
41	0	0	480	.000	.00 .00
42	0	0	480	.000	.00 .00
43	0	0	480	.000	.00 .00
44	0	0	480	.000	.00 .00
45	0	0	480	.000	.00 .00
46	0	0	480	.000	.00 .00
47	0	0	480	.000	.00 .00
48	0	0	480	.000	.00 .00
49	0	0	480	.000	.00 .00
50	0	0	480	.000	.00 .00
51	0	0	480	.000	.00 .00
52	0	0	480	.000	.00 .00
53	0	0	480	.000	.00 .00
54	0	0	480	.000	.00 .00
55	0	0	480	.000	.00 .00
56	0	0	480	.000	.00 .00
57	0	0	480	.000	.00 .00
58	0	0	480	.000	.00 .00
59	0	0	480	.000	.00 .00
60	0	0	480	.000	.00 .00
61	0	0	480	.000	.00 .00
62	0	0	480	.000	.00 .00

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Table B.11.040										Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in November										The period of record is 1956-1963.																				
i	N _i	N _j	N	P _i	P _C																																			
1	11	301	480	.527	1.0																																			
2	4	251	480	.523	.63	1.0																																		
3	7	212	480	.442	.70	.84	1.0																																	
4	10	176	480	.367	.58	.70	.83	1.0																																
5	3	147	480	.306	.49	.59	.69	.84	1.0																															
6	4	127	480	.265	.42	.51	.60	.72	.86	1.0																														
7	0	110	480	.229	.37	.44	.52	.63	.75	.87	1.0																													
8	1	96	480	.209	.32	.38	.45	.55	.65	.76	.87	1.0																												
9	1	82	480	.171	.27	.33	.39	.47	.56	.65	.75	.85	1.0																											
10	1	69	480	.144	.23	.27	.33	.39	.47	.54	.63	.72	.84	1.0																										
11	1	57	480	.119	.19	.23	.27	.32	.36	.45	.52	.59	.70	.83	1.0																									
12	4	46	480	.096	.15	.19	.22	.26	.31	.36	.42	.48	.56	.67	.81	1.0																								
13	1	36	480	.075	.12	.14	.17	.20	.24	.28	.33	.38	.44	.52	.63	.78	1.0																							
14	1	30	480	.063	.10	.12																																		

[illegible]

[illegible]

Table B.11.060				Conditional probabilities of the maximum wind speed of less than 60 mps in the 10-15 km layer over Cape Kennedy, Florida in November.	
The period of record is 1956-1963.					
i	N_{R_i}	N_i	N	P_i	$P_{C \rightarrow}$
1	0	451	480	.940	1.0
2	1	440	480	.917	.99 1.0
3	2	429	480	.894	.95 .98 1.0
4	0	419	480	.873	.93 .95 .98 1.0
5	1	411	480	.856	.91 .93 .96 .98 1.0
6	0	402	480	.833	.89 .91 .94 .96 .98 1.0
7	0	393	480	.810	.87 .89 .92 .94 .96 .98 1.0
8	1	383	480	.794	.85 .87 .89 .91 .93 .95 .97 1.0
9	0	373	480	.777	.83 .85 .87 .89 .91 .93 .95 .97 1.0
10	0	363	480	.756	.80 .83 .85 .87 .88 .90 .92 .95 .97 1.0
11	0	353	480	.735	.78 .80 .82 .84 .86 .88 .90 .92 .95 .97 1.0
12	1	343	480	.715	.76 .78 .80 .82 .84 .86 .87 .89 .92 .94 .97 1.0
13	0	333	480	.694	.74 .76 .78 .79 .81 .83 .85 .87 .89 .92 .94 .97 1.0
14	1	324	480	.675	.72 .74 .76 .77 .79 .81 .82 .85 .87 .89 .92 .94 .97 1.0
15	1	315	480	.656	.70 .72 .73 .75 .77 .78 .80 .82 .84 .87 .89 .92 .95 .97 1.0
16	0	307	480	.640	.68 .70 .72 .73 .75 .76 .78 .80 .82 .85 .87 .90 .92 .95 .97 1.0
17	0	300	480	.625	.67 .69 .70 .72 .73 .75 .76 .78 .80 .83 .85 .87 .90 .93 .95 .98 1.0
18	0	293	480	.610	.65 .67 .68 .70 .71 .73 .75 .77 .79 .81 .83 .85 .88 .90 .93 .95 .98 1.0
19	0	286	480	.594	.63 .65 .67 .68 .70 .71 .73 .75 .77 .79 .81 .83 .86 .88 .91 .93 .95 .98 1.0
20	0	279	480	.581	.62 .63 .65 .67 .68 .69 .71 .73 .75 .77 .79 .81 .84 .86 .89 .91 .93 .95 .98 1.0
21	0	272	480	.567	.60 .62 .63 .65 .66 .68 .69 .71 .73 .75 .77 .79 .82 .84 .86 .89 .91 .93 .95 .97 1.0
22	0	265	480	.554	.59 .60 .62 .63 .64 .66 .67 .69 .71 .73 .75 .77 .80 .82 .84 .86 .88 .90 .93 .95 .97 1.0
23	0	258	480	.530	.57 .57 .60 .62 .63 .64 .66 .67 .69 .71 .73 .75 .77 .80 .82 .84 .86 .88 .90 .92 .95 .97 1.0
24	1	251	480	.521	.56 .57 .59 .60 .61 .62 .64 .66 .67 .69 .71 .73 .75 .77 .80 .82 .84 .86 .88 .90 .92 .95 .97 1.0
25	1	243	480	.506	.54 .55 .57 .58 .59 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .85 .87 .89 .92 .94 .97 1.0
26	0	236	480	.497	.52 .54 .56 .57 .58 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .85 .87 .89 .91 .94 .97 1.0
27	0	230	480	.477	.51 .54 .56 .58 .59 .60 .62 .63 .65 .67 .69 .71 .73 .75 .77 .79 .81 .83 .85 .87 .89 .92 .95 .97 1.0
28	0	224	480	.467	.50 .51 .52 .53 .55 .56 .57 .58 .60 .62 .63 .65 .67 .69 .71 .73 .75 .76 .78 .80 .82 .85 .87 .89 .92 .95 .97 1.0
29	0	218	480	.454	.48 .50 .51 .52 .53 .54 .55 .57 .58 .60 .62 .64 .65 .67 .69 .71 .73 .74 .76 .78 .80 .82 .84 .87 .90 .92 .95 .97 1.0
30	1	212	480	.442	.47 .48 .49 .51 .52 .53 .54 .55 .57 .58 .60 .62 .64 .65 .67 .69 .71 .72 .74 .76 .78 .80 .82 .84 .87 .90 .92 .95 .97
31	0	206	480	.429	.46 .47 .48 .49 .50 .51 .52 .54 .55 .57 .58 .60 .62 .64 .65 .67 .69 .70 .72 .74 .76 .78 .80 .82 .85 .87 .90 .92 .94
32	0	201	480	.417	.45 .46 .47 .48 .49 .50 .51 .52 .54 .55 .57 .59 .60 .62 .64 .65 .67 .69 .70 .72 .74 .76 .78 .80 .83 .85 .87 .90 .92
33	0	196	480	.403	.43 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .60 .62 .64 .65 .67 .69 .70 .72 .74 .76 .78 .81 .83 .85 .88 .90
34	0	191	480	.394	.42 .43 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .61 .62 .64 .65 .67 .68 .70 .72 .74 .76 .78 .81 .83 .85 .88
35	0	186	480	.384	.41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .61 .62 .63 .65 .67 .68 .70 .72 .74 .77 .79 .81 .83 .85
36	0	181	480	.377	.40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .60 .62 .63 .65 .67 .68 .70 .72 .74 .77 .79 .81 .83
37	0	176	480	.367	.39 .40 .41 .42 .43 .44 .45 .46 .47 .48 .49 .50 .51 .53 .54 .56 .57 .59 .60 .62 .63 .65 .66 .68 .70 .72 .75 .77 .79 .81
38	0	171	480	.356	.38 .3

Table B.11.065					Conditional probabilities of the maximum wind-speed																								
					of less than 65 mps in the 10-15 km layer over Cape																								
					Kennedy, Florida in November.																								
					The period of record is 1956-1963.																								
i	N _{ri}	N _i	N	P _i																									
1	462	480	.963	1.0																									
2	454	480	.944	.98	1.0																								
3	447	480	.931	.97	.98	1.0																							
4	441	480	.919	.95	.97	.99	1.0																						
5	436	480	.908	.94	.96	.98	.99	1.0																					
6	430	480	.896	.93	.95	.96	.98	.99	1.0																				
7	424	480	.883	.92	.93	.95	.96	.97	.99	1.0																			
8	419	480	.873	.91	.92	.94	.95	.96	.97	.99	1.0																		
9	413	480	.860	.89	.91	.92	.94	.95	.96	.97	.99	1.0																	
10	406	480	.846	.88	.89	.91	.92	.93	.94	.96	.97	.98	1.0																
11	399	480	.831	.86	.88	.89	.90	.92	.93	.94	.95	.97	.98	1.0															
12	392	480	.817	.85	.86	.88	.89	.90	.91	.92	.94	.95	.97	.98	1.0														
13	385	480	.802	.83	.85	.86	.87	.88	.89	.90	.91	.92	.93	.95	.96	.98	1.0												
14	378	480	.788	.82	.83	.85	.86	.87	.88	.89	.90	.92	.93	.95	.96	.98	1.0												
15	371	480	.773	.80	.82	.83	.84	.85	.86	.88	.89	.90	.91	.93	.95	.96	.98	1.0											
16	364	480	.758	.79	.80	.81	.83	.85	.86	.87	.88	.90	.91	.93	.95	.96	.98	1.0											
17	358	480	.746	.77	.79	.80	.81	.82	.83	.84	.85	.87	.88	.90	.91	.93	.95	.96	.98	1.0									
18	352	480	.733	.76	.78	.79	.80	.81	.82	.83	.84	.85	.87	.88	.90	.91	.93	.95	.97	.98	1.0								
19	346	480	.721	.75	.76	.77	.78	.79	.80	.82	.83	.84	.85	.87	.88	.90	.92	.93	.95	.97	.98	1.0							
20	340	480	.709	.74	.75	.76	.77	.78	.79	.80	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.98	1.0						
21	334	480	.696	.72	.74	.75	.76	.77	.78	.79	.80	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.98	1.0					
22	328	480	.683	.71	.72	.73	.74	.75	.76	.77	.78	.79	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.96	.98	1.0				
23	322	480	.671	.70	.71	.72	.73	.74	.75	.76	.77	.78	.79	.81	.82	.84	.85	.87	.88	.90	.91	.93	.95	.96	.98	1.0			
24	315	480	.656	.68	.69	.70	.71	.72	.73	.74	.75	.76	.78	.79	.80	.82	.83	.85	.87	.88	.89	.91	.93	.94	.96	.98	1.0		
25	308	480	.642	.67	.68	.69	.70	.71	.72	.73	.74	.75	.76	.77	.79	.80	.81	.83	.85	.86	.88	.89	.91	.92	.94	.96	.98	1.0	
26	301	480	.627	.65	.66	.67	.68	.69	.70	.71	.72	.73	.74	.75	.77	.78	.80	.81	.83	.84	.86	.87	.89	.90	.92	.93	.96	.95	1.0
27	295	480	.615	.64	.65	.66	.67	.68	.69	.70	.70	.71	.73	.74	.75	.77	.78	.80	.81	.82	.84	.85	.87	.8					

Table B.11.070					Conditional probabilities of the maximum wind speed of less than 70 mps in the 10-15 km layer over Cape Kennedy, Florida in November.		The period of record is 1956-1963.																								
i	N _{ri}	N _i	N	P _i	P _C																										
1	0	469	480	.977	1.0																										
2	0	464	480	.967	.99	1.0																									
3	1	459	480	.956	.98	.99	1.0																								
4	0	454	480	.946	.97	.98	.99	1.0																							
5	0	450	480	.938	.96	.97	.98	.99	1.0																						
6	0	446	480	.929	.95	.96	.97	.98	.99	1.0																					
7	0	442	480	.921	.94	.95	.96	.97	.98	.99	1.0																				
8	0	438	480	.913	.93	.94	.95	.96	.97	.98	.99	1.0																			
9	0	434	480	.904	.93	.94	.95	.96	.97	.98	.99	1.0																			
10	0	429	480	.894	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0																	
11	0	424	480	.883	.90	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0																
12	0	419	480	.873	.89	.90	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.0															
13	0	412	480	.858	.88	.89	.90	.91	.92	.93	.94	.95	.96	.97	.98	1.0															
14	0	405	480	.844	.86	.87	.88	.89	.90	.91	.92	.93	.94	.95	.96	.97	.98	1.0													
15	1	398	480	.829	.85	.86	.87	.88	.89	.90	.91	.92	.93	.94	.95	.97	.98	1.0													
16	0	391	480	.815	.83	.84	.85	.86	.87	.88	.89	.90	.91	.92	.93	.95	.97	.98	1.0												
17	0	385	480	.802	.82	.83	.84	.85	.86	.87	.88	.89	.90	.91	.92	.93	.95	.97	.98	1.0											
18	0	379	480	.790	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	.92	.94	.95	.97	.98	1.0											
19	0	373	480	.777	.80	.80	.81	.82	.83	.84	.84	.85	.86	.87	.88	.89	.91	.92	.94	.95	.97	.98	1.0								
20	0	367	480	.765	.78	.79	.80	.81	.82	.82	.83	.84	.85	.86	.87	.88	.89	.91	.92	.94	.95	.97	.98	1.0							
21	0	361	480	.752	.77	.77	.78	.79	.80	.80	.81	.82	.82	.83	.84	.85	.86	.88	.89	.91	.92	.94	.95	.97	.98	1.0					
22	0	355	480	.740	.76	.77	.77	.78	.79	.80	.80	.81	.82	.83	.84	.85	.86	.88	.89	.91	.92	.94	.95	.97	.98	1.0					
23	0	349	480	.727	.74	.75	.76	.77	.78	.78	.79	.80	.80	.81	.82	.83	.85	.86	.88	.89	.91	.92	.94	.95	.97	.98	1.0				
24	0	342	480	.713	.73	.74	.75	.75	.76	.77	.77	.78	.79	.80	.81	.82	.83	.84	.86	.87	.89	.90	.92	.93	.95	.96	.98	1.0			
25	0	335	480	.699	.71	.72	.73	.74	.74	.75	.76	.76	.77	.78	.79	.80	.81	.83	.84	.86	.87	.88	.90	.91	.93	.94	.96	.98	1.0		
26	1	328	480	.683	.70	.71	.71	.72	.73	.74	.74	.75	.76	.76	.77	.78	.80	.81	.82	.84	.85	.87	.88	.89	.91	.92	.94	.96	.98	1.0	
27	0	321	480	.669	.68	.69	.70	.71	.71	.72	.73	.73	.74	.75	.76	.77	.78	.79	.81	.82	.83	.85	.86	.87	.89	.90	.92	.94	.96	.98	1.0
28	0																														

i N_{Ri} N_i N P_i P_C

Table B.11 050

Conditional probabilities of the maximum wind speed
of less than 80 mps in the 10-15 km layer over Cape
Kennedy, Florida in November.
The period of record is 1956-1963

i : Number of 12-hour periods in the run
N_{Ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_C : Conditional probabilities
j : Number of periods to be added to i

1	1	475	480	.993	1.0
2	0	473	480	.985	.99 1.0
3	0	472	480	.983	.99 .99 1.0
4	0	471	480	.981	.99 .99 .97 1.0
5	0	470	480	.979	.99 .99 .97 .97 1.0
6	0	469	480	.977	.99 .99 .97 .97 .97 1.0
7	0	468	480	.975	.99 .99 .97 .97 .97 .97 1.0
8	0	467	480	.973	.99 .99 .97 .97 .97 .97 .97 1.0
9	0	466	480	.971	.99 .99 .97 .97 .97 .97 .97 .97 1.0
10	0	464	480	.967	.99 .99 .97 .97 .97 .97 .97 .97 .97 1.0
11	0	462	480	.963	.97 .93 .93 .93 .93 .93 .93 .93 .93 .93 1.0
12	0	460	480	.958	.97 .97 .97 .97 .97 .97 .97 .97 .97 .97 .97 1.0
13	0	458	480	.955	.95 .95 .97 .97 .97 .97 .97 .97 .97 .97 .97 1.0
14	0	456	480	.950	.95 .95 .97 .97 .97 .97 .97 .97 .97 .97 .97 1.0
15	0	454	480	.944	.95 .95 .97 .97 .97 .97 .97 .97 .97 .97 .97 1.0
16	0	452	480	.942	.95 .95 .97 .97 .97 .97 .97 .97 .97 .97 .97 1.0
17	0	450	480	.935	.95 .95 .95 .95 .95 .95 .95 .95 .95 .95 .95 1.0
18	0	448	480	.933	.94 .95 .95 .95 .95 .95 .95 .95 .95 .95 .95 1.0
19	0	446	480	.929	.94 .94 .94 .95 .95 .95 .95 .95 .95 .95 .95 1.0
20	0	444	480	.925	.93 .94 .94 .94 .94 .94 .94 .94 .94 .94 .94 1.0
21	0	442	480	.921	.93 .93 .94 .94 .94 .94 .94 .94 .94 .94 .94 1.0
22	0	440	480	.917	.93 .93 .93 .93 .93 .93 .93 .93 .93 .93 .93 1.0
23	0	438	480	.913	.92 .93 .93 .93 .93 .93 .93 .93 .93 .93 .93 1.0
24	0	436	480	.905	.92 .92 .92 .92 .92 .92 .92 .92 .92 .92 .92 1.0
25	0	434	480	.904	.91 .92 .92 .92 .92 .92 .92 .92 .92 .92 .92 1.0
26	0	432	480	.902	.91 .91 .92 .92 .92 .92 .92 .92 .92 .92 .92 1.0
27	0	430	480	.895	.91 .91 .91 .91 .91 .91 .91 .91 .91 .91 .91 1.0
28	0	428	480	.892	.90 .90 .91 .91 .91 .91 .91 .91 .91 .91 .91 1.0
29	0	426	480	.883	.90 .90 .90 .90 .90 .90 .90 .90 .90 .90 .90 1.0
30	0	424	480	.883	.89 .90 .90 .90 .90 .90 .90 .90 .90 .90 .90 1.0
31	0	422	480	.879	.89 .89 .89 .90 .90 .90 .90 .90 .90 .90 .90 1.0
32	0	420	480	.875	.88 .89 .89 .89 .89 .89 .89 .89 .89 .89 .89 1.0
33	0	418	480	.871	.88 .88 .89 .89 .89 .89 .89 .89 .89 .89 .89 1.0
34	0	416	480	.867	.88 .88 .88 .88 .88 .88 .88 .88 .88 .88 .88 1.0
35	0	414	480	.863	.87 .88 .88 .88 .88 .88 .88 .88 .88 .88 .88 1.0
36	0	412	480	.858	.87 .87 .87 .87 .87 .87 .87 .87 .87 .87 .87 1.0
37	0	410	480	.855	.86 .86 .86 .86 .86 .86 .86 .86 .86 .86 .86 1.0
38	0	408	480	.850	.86 .86 .86 .86 .86 .86 .86 .86 .86 .86 .86 1.0
39	0	406	480	.844	.85 .85 .85 .85 .85 .85 .85 .85 .85 .85 .85 1.0
40	0	402	480	.839	.85 .85 .85 .85 .85 .85 .85 .85 .85 .85 .85 1.0
41	0	399	480	.831	.84 .84 .84 .85 .85 .85 .85 .85 .85 .85 .85 1.0
42	0	396	480	.825	.83 .84 .84 .84 .84 .84 .84 .84 .84 .84 .84 1.0
43	0	393	480	.819	.83 .83 .83 .83 .83 .83 .83 .83 .83 .83 .83 1.0
44	0	390	480	.813	.82 .82 .82 .83 .83 .83 .83 .83 .83 .83 .83 1.0
45	0	387	480	.806	.81 .82 .82 .82 .82 .82 .82 .82 .82 .82 .82 1.0
46	0	384	480	.800	.81 .81 .81 .81 .81 .81 .81 .81 .81 .81 .81 1.0
47	0	381	480	.794	.80 .81 .81 .81 .81 .81 .81 .81 .81 .81 .81 1.0
48	1	378	480	.788	.80 .80 .80 .80 .80 .80 .80 .80 .80 .80 .80 1.0
49	0	375	480	.781	.79 .79 .79 .79 .79 .79 .79 .79 .79 .79 .79 1.0
50	0	373	480	.777	.79 .79 .79 .79 .79 .79 .79 .79 .79 .79 .79 1.0
51	0	371	480	.773	.78 .78 .78 .78 .78 .78 .78 .78 .78 .78 .78 1.0
52	0	369	480	.769	.78 .78 .78 .78 .78 .78 .78 .78 .78 .78 .78 1.0
53	0	367	480	.765	.77 .77 .77 .77 .77 .77 .77 .77 .77 .77 .77 1.0
54	0	365	480	.760	.77 .77 .77 .77 .77 .77 .77 .77 .77 .77 .77 1.0
55	0	363	480	.756	.76 .76 .76 .76 .76 .76 .76 .76 .76 .76 .76 1.0
56	0	361	480	.752	.76 .76 .76 .76 .76 .76 .76 .76 .76 .76 .76 1.0
57	0	359	480	.748	.75 .75 .75 .75 .75 .75 .75 .75 .75 .75 .75 1.0
58	0	357	480	.744	.75 .75 .75 .75 .75 .75 .75 .75 .75 .75 .75 1.0
59	0	354	480	.738	.75 .75 .75 .75 .75 .75 .75 .75 .75 .75 .75 1.0
60	0	351	480	.731	.74 .74 .74 .74 .74 .74 .74 .74 .74 .74 .74 1.0
61	0	348	480	.725	.73 .73 .73 .73 .73 .73 .73 .73 .73 .73 .73 1.0
62	0	345	480	.719	.73 .73 .73 .73 .73 .73 .73 .73 .73 .73 .73 1.0

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

Table B.12.020						Conditional probabilities of the maximum wind speed of less than 20 mps in the 10-15 km layer over Cape Kennedy, Florida in December.		The period of record is 1956-1963.			
i	N _{R_i}	N _i	N	P _i	P _{C→}						
1	3	11	.496	.022	1.0						
2	1	6	.496	.012	.55	1.0					
3	0	4	.496	.008	.36	.67	1.0				
4	0	3	.496	.006	.27	.50	.75	1.0			
5	0	2	.496	.004	.18	.33	.50	.67	1.0		
6	1	1	.496	.002	.09	.17	.25	.33	.50	1.0	
7	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
8	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
9	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
10	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
11	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
12	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
13	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
14	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
15	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
16	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
17	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
18	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
19	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
20	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
21	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
22	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
23	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
24	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
25	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
26	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
27	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
28	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
29	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
30	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
31	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
32	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
33	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
34	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
35	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
36	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
37	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
38	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
39	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
40	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
41	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
42	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
43	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
44	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
45	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
46	0	0	.496	.000	.00	.00	.00	.00	.00	.00	
47	0	0	.496	.000	.00						

[illegible]

Table B.12.030

Conditional probabilities of the maximum wind speed of less than 30 mps in the 10-15 km layer over Cape Kennedy, Florida in December.

The period of record is 1956-1963.

i : Number of 12-hour periods in the run
 N_{T_i} : Number of runs of exact length i
 N_i : Number of runs equal to or greater than i
 N : Total number of observations
 P_i : The probability of a run of length i
 $P_C \rightarrow$: Conditional probabilities
 j : Number of periods to be added to i

i	N_{T_i}	N_i	N	P_i	$P_C \rightarrow$
1	3	102	496	.006	1.0
2	4	85	496	.171	.83 1.0
3	1	71	496	.143	.70 .84 1.0
4	1	61	496	.123	.60 .72 .86 1.0
5	4	52	496	.105	.51 .61 .73 .85 1.0
6	0	44	496	.089	.43 .52 .62 .72 .85 1.0
7	2	40	496	.081	.39 .47 .56 .66 .77 .91 1.0
8	0	36	496	.073	.35 .42 .51 .59 .69 .82 .90 1.0
9	0	34	496	.069	.33 .40 .48 .56 .65 .77 .85 .94 1.0
10	0	32	496	.065	.31 .38 .45 .52 .62 .73 .80 .89 .94 1.0
11	0	30	496	.060	.29 .35 .42 .49 .58 .68 .75 .83 .88 .94 1.0
12	0	28	496	.056	.27 .33 .39 .46 .54 .64 .70 .78 .82 .88 .93 1.0
13	0	26	496	.052	.25 .31 .37 .43 .50 .59 .65 .72 .76 .81 .87 .93 1.0
14	0	24	496	.048	.24 .28 .34 .39 .46 .55 .60 .67 .71 .75 .80 .86 .92 1.0
15	0	22	496	.044	.22 .25 .31 .36 .42 .50 .55 .61 .65 .69 .73 .79 .85 .92 1.0
16	0	20	496	.040	.20 .24 .28 .33 .38 .45 .50 .56 .59 .63 .67 .71 .77 .83 .91 1.0
17	0	18	496	.036	.18 .21 .25 .30 .35 .41 .45 .50 .53 .56 .60 .64 .69 .75 .82 .90 1.0
18	0	16	496	.032	.16 .19 .23 .26 .31 .36 .40 .44 .47 .50 .53 .57 .62 .67 .73 .80 .89 1.0
19	1	14	496	.028	.14 .16 .20 .23 .27 .32 .35 .39 .41 .44 .47 .50 .54 .58 .64 .70 .78 .88 1.0
20	0	12	496	.024	.12 .14 .17 .20 .23 .27 .30 .33 .35 .38 .40 .43 .46 .50 .55 .60 .67 .75 .86 1.0
21	0	11	496	.022	.11 .13 .15 .18 .21 .25 .28 .31 .32 .34 .37 .39 .42 .46 .50 .55 .61 .69 .79 .92 1.0
22	0	10	496	.020	.10 .12 .14 .16 .19 .23 .25 .28 .29 .31 .33 .36 .38 .42 .45 .50 .56 .63 .71 .83 .91 1.0
23	0	9	496	.018	.09 .11 .13 .15 .17 .20 .23 .25 .26 .28 .30 .32 .35 .38 .41 .45 .50 .56 .64 .75 .82 .90 1.0
24	0	8	496	.016	.08 .09 .11 .13 .15 .18 .20 .22 .24 .25 .27 .29 .31 .33 .36 .40 .44 .50 .57 .67 .73 .80 .89 1.0
25	0	7	496	.014	.07 .08 .10 .11 .13 .16 .18 .19 .21 .22 .23 .25 .27 .29 .32 .35 .39 .44 .50 .58 .64 .70 .78 .88 1.0
26	0	6	496	.012	.06 .07 .08 .10 .12 .14 .15 .17 .18 .19 .20 .21 .23 .25 .27 .30 .33 .38 .43 .50 .55 .60 .67 .75 .86 1.0
27	0	5	496	.010	.05 .06 .07 .08 .10 .11 .13 .14 .15 .16 .17 .18 .19 .21 .23 .25 .28 .31 .36 .42 .48 .50 .56 .63 .71 .83 1.0
28	0	4	496	.008	.04 .05 .06 .07 .08 .09 .10 .11 .12 .13 .13 .14 .15 .17 .18 .20 .22 .25 .29 .33 .36 .40 .44 .50 .57 .67 .80 1.0
29	0	3	496	.006	.03 .04 .04 .05 .06 .07 .08 .08 .09 .09 .10 .11 .12 .13 .14 .15 .17 .19 .21 .25 .27 .30 .33 .38 .43 .50 .60 .75 1.0
30	0	2	496	.004	.02 .02 .03 .03 .04 .05 .05 .06 .06 .06 .07 .07 .08 .08 .09 .10 .11 .13 .14 .17 .18 .20 .22 .25 .29 .33 .40 .50 .67 1.0
31	1	1	496	.002	.01 .01 .01 .02 .02 .02 .03 .03 .03 .03 .03 .04 .04 .04 .05 .05 .06 .06 .07 .08 .09 .10 .11 .13 .14 .17 .20 .23 .33 1.0
32	0	0	496	.000	.00 1.0
33	0	0	496	.000	.00 1.0
34	0	0	496	.000	.00 1.0
35	0	0	496	.000	.00 1.0
36	0	0	496	.000	.00 1.0
37	0	0	496	.000	.00 1.0
38	0	0	496	.000	.00 .00 .00 .00 .00 .

i N_{ri} N_i N P_i P_c

Table B.12.035

Conditional probabilities of the maximum wind speed of less than 35 mps in the 10-15 km layer over Cape Kennedy, Florida in December.
The period of record is 1956-1963.

1	10	150	496	.302	1.0
2	5	123	496	.248	.82 1.0
3	2	106	496	.214	.71 .86 1.0
4	1	94	496	.190	.63 .76 .83 1.0
5	1	84	496	.169	.56 .63 .73 .89 1.0
6	1	75	496	.151	.50 .61 .71 .80 .89 1.0
7	2	67	496	.135	.45 .54 .63 .71 .80 .89 1.0
8	1	60	496	.121	.40 .49 .57 .64 .71 .80 .90 1.0
9	1	55	496	.111	.37 .45 .52 .59 .65 .73 .82 .92 1.0
10	1	51	496	.103	.34 .41 .48 .54 .61 .68 .76 .85 .93 1.0
11	0	43	496	.097	.32 .39 .45 .51 .57 .64 .72 .80 .87 .94 1.0
12	0	46	496	.093	.31 .37 .43 .49 .55 .61 .69 .77 .84 .90 .96 1.0
13	0	44	496	.089	.29 .36 .42 .47 .52 .59 .65 .73 .80 .86 .92 1.0
14	0	42	496	.085	.28 .34 .40 .45 .50 .56 .63 .70 .76 .82 .88 .91 .95 1.0
15	0	40	496	.081	.27 .33 .39 .43 .48 .53 .59 .67 .73 .78 .83 .87 .91 .95 1.0
16	0	38	496	.077	.25 .31 .36 .40 .45 .51 .57 .63 .69 .75 .79 .83 .86 .90 .95 1.0
17	0	36	496	.073	.24 .29 .34 .38 .43 .48 .54 .60 .65 .71 .75 .78 .82 .86 .90 .95 1.0
18	0	34	496	.069	.23 .28 .32 .36 .40 .45 .51 .57 .62 .67 .71 .74 .77 .81 .85 .89 .94 1.0
19	0	32	496	.065	.21 .26 .30 .34 .38 .43 .48 .53 .58 .63 .67 .70 .73 .76 .80 .84 .89 .94 1.0
20	0	30	496	.060	.20 .24 .28 .32 .36 .40 .45 .50 .55 .59 .63 .67 .71 .75 .79 .83 .88 .93 1.0
21	0	28	496	.056	.19 .23 .27 .31 .35 .39 .43 .47 .51 .55 .59 .63 .67 .71 .75 .79 .83 .88 .93 1.0
22	0	26	496	.052	.17 .21 .25 .29 .33 .37 .41 .45 .49 .53 .57 .61 .65 .69 .73 .77 .81 .85 .90 .95 1.0
23	0	24	496	.048	.16 .20 .24 .28 .32 .36 .40 .44 .48 .52 .56 .60 .64 .68 .72 .76 .80 .84 .88 .92 1.0
24	0	22	496	.044	.15 .19 .23 .27 .31 .35 .39 .43 .47 .51 .55 .59 .63 .67 .71 .75 .79 .83 .87 .91 1.0
25	0	20	496	.040	.13 .17 .21 .25 .29 .33 .37 .41 .45 .49 .53 .57 .61 .65 .69 .73 .77 .81 .85 .89 1.0
26	1	18	496	.036	.12 .15 .19 .23 .27 .31 .35 .39 .43 .47 .51 .55 .59 .63 .67 .71 .75 .79 .83 .87 .91 1.0
27	0	16	496	.032	.11 .13 .15 .17 .19 .21 .23 .25 .27 .29 .31 .33 .35 .37 .39 .41 .43 .45 .47 .49 .51 1.0
28	0	15	496	.030	.10 .12 .14 .16 .18 .20 .22 .24 .26 .28 .30 .32 .34 .36 .38 .40 .42 .44 .46 .48 .50 1.0
29	0	14	496	.028	.09 .11 .13 .15 .17 .19 .21 .23 .25 .27 .29 .31 .33 .35 .37 .39 .41 .43 .45 .47 .49 1.0
30	0	13	496	.026	.09 .11 .12 .14 .15 .17 .19 .21 .22 .24 .25 .27 .28 .30 .31 .33 .34 .36 .38 .40 .42 1.0
31	0	12	496	.024	.08 .10 .11 .13 .14 .16 .18 .20 .22 .24 .25 .27 .28 .30 .31 .33 .34 .36 .38 .40 .42 1.0
32	0	11	496	.022	.07 .09 .10 .12 .13 .15 .16 .18 .20 .22 .23 .24 .26 .27 .29 .30 .32 .33 .35 .37 .39 1.0
33	0	10	496	.020	.07 .09 .09 .11 .12 .13 .15 .17 .18 .20 .21 .22 .23 .24 .26 .27 .29 .30 .32 .33 .35 1.0
34	0	9	496	.018	.06 .07 .07 .10 .11 .12 .13 .15 .16 .18 .19 .20 .21 .23 .24 .25 .26 .28 .29 .31 .33 1.0
35	0	8	496	.016	.05 .07 .08 .09 .10 .11 .12 .13 .15 .16 .17 .18 .19 .20 .21 .22 .24 .25 .27 .29 .31 1.0
36	0	7	496	.014	.05 .06 .07 .07 .08 .09 .10 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .22 .23 .25 .27 1.0
37	0	6	496	.012	.04 .05 .06 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .21 .23 .25 1.0
38	0	5	496	.010	.03 .05 .05 .05 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .19 .20 .22 .24 1.0
39	0	4	496	.008	.03 .03 .04 .04 .05 .05 .06 .07 .08 .09 .10 .11 .12 .13 .14 .15 .16 .17 .18 .20 .22 1.0
40	0	3	496	.006	.02 .02 .03 .03 .04 .04 .05 .05 .06 .06 .07 .07 .08 .09 .10 .11 .12 .13 .14 .15 .17 1.0
41	0	2	496	.004	.01 .02 .02 .02 .03 .03 .03 .04 .04 .04 .05 .05 .05 .06 .06 .07 .07 .08 .09 .10 .11 1.0
42	1	1	496	.002	.01 .01 .01 .01 .01 .01 .01 .02 .02 .02 .02 .02 .03 .03 .03 .03 .04 .04 .05 .05 .06 1.0
43	0	0	496	.000	.00 1.0
44	0	0	496	.000	.00 1.0
45	0	0	496	.000	.00 1.0
46	0	0	496	.000	.00 1.0
47	0	0	496	.000	.00 1.0
48	0	0	496	.000	.00 1.0
49	0	0	496	.000	.00 1.0
50	0	0	496	.000	.00 1.0
51	0	0	496	.000	.00 1.0
52	0	0	496	.000	.00 1.0
53	0	0	496	.000	.00 1.0
54	0	0	496	.000	.00 1.0
55	0	0	496	.000	.00 1.0
56	0	0	496	.000	.00 1.0
57	0	0	496	.000	.00 1.0
58	0	0	496	.000	.00 1.0
59	0	0	496	.000	.00 1.0
60	0	0	496	.000	.00 1.0
61	0	0	496	.000	.00 1.0
62	0	0	496	.000	.00 1.0

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

j=0
j=1
j=2
j=3
j=4
j=5
j=10
j=20
j=30

Table B.12.040										Conditional probabilities of the maximum wind speed of less than 40 mps in the 10-15 km layer over Cape Kennedy, Florida in December.		The period of record is 1956-1963.																	
i	N _T	N _i	N	P _i	P _C																								
1	12	200	496	.403	1.0																								
2	12	161	496	.325	.81	1.0																							
3	2	134	496	.270	.67	.83	1.0																						
4	3	119	496	.240	.60	.74	.89	1.0																					
5	2	106	496	.214	.53	.66	.79	.89	1.0																				
6	2	96	496	.194	.48	.60	.72	.81	.91	1.0																			
7	0	88	496	.177	.44	.55	.66	.74	.83	.92	1.0																		
8	0	82	496	.165	.41	.51	.61	.69	.77	.85	.93	1.0																	
9	1	76	496	.153	.38	.47	.57	.64	.72	.79	.86	.93	1.0																
10	1	70	496	.141	.35	.43	.52	.59	.66	.73	.79	.85	.92	1.0															
11	1	65	496	.131	.33	.40	.47	.55	.61	.68	.74	.79	.86	.93	1.0														
12	0	61	496	.123	.31	.38	.46	.51	.59	.64	.69	.74	.80	.87	.94	1.0													
13	1	58	496	.117	.29	.36	.43	.49	.55	.60	.65	.71	.76	.83	.89	.95	1.0												
14	0	55	496	.111	.28	.34	.41	.46	.52	.57	.63	.67	.72	.79	.85	.90	.95	1.0											
15	0	53	496	.107	.27	.33	.40	.45	.50	.55	.60	.65	.70	.76	.82	.87	.91	.96	1.0										
16	0	51	496	.103	.26	.32	.38	.43	.48	.53	.58	.62	.67	.73	.78	.84	.89	.93	.98	1.0									
17	0	49	496	.099	.25	.30	.37	.41	.46	.51	.56	.60	.64	.70	.75	.80	.84	.89	.92	.95	1.0								
18	0	47	496	.095	.24	.29	.35	.39	.44	.49	.53	.57	.62	.67	.72	.77	.81	.85	.89	.92	.96	1.0							
19	0	45	496	.091	.23	.28	.34	.38	.42	.47	.51	.55	.59	.64	.69	.74	.78	.82	.85	.88	.92	.96	1.0						
20	0	43	496	.087	.22	.27	.32	.36	.41	.45	.49	.52	.57	.61	.66	.70	.74	.78	.81	.84	.88	.91	.95	1.0					
21	0	41	496	.083	.21	.25	.31	.34	.39	.43	.47	.50	.54	.59	.63	.67	.71	.75	.77	.80	.84	.87	.91	.95	1.0				
22	0	39	496	.079	.20	.24	.29	.33	.37	.41	.44	.48	.51	.56	.60	.64	.67	.71	.74	.76	.80	.83	.87	.91	.95	1.0			
23	0	37	496	.075	.19	.23	.28	.31	.35	.39	.42	.45	.49	.53	.57	.61	.64	.67	.70	.73	.76	.79	.82	.85	.90	.95	1.0		
24	0	35	496	.071	.18	.22	.26	.29	.33	.36	.40	.43	.46	.50	.54	.57	.60	.64	.66	.69	.71	.74	.78	.81	.85	.90	.95	1.0	
25	0	33	496	.067	.17	.21	.25	.28	.31	.34	.37	.40	.43	.47	.51	.54	.57	.60	.62	.65	.67	.70	.73	.77	.80	.85	.89	.94	1.0
26	0	31	496	.063	.16	.19	.23	.26	.29	.32	.35	.38	.41	.44	.48	.51	.53	.56	.58	.61	.63	.66							

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Table B.12.050										Conditional probabilities of the maximum wind speed of less than 50 mps in the 10-15 km layer over Cape Kennedy, Florida in December.										The period of record is 1936-1963.																				
i	N _{ri}	N _i	N	P _i	P _c																																			
1	7	319	496	.643	1.0																																			
2	7	280	496	.565	.88	1.0																																		
3	6	246	496	.496	.77	.88	1.0																																	
4	7	217	496	.438	.68	.78	.98	1.0																																
5	3	194	496	.391	.61	.69	.79	.89	1.0																															
6	1	178	496	.359	.56	.64	.72	.92	.92	1.0																														
7	3	165	496	.333	.52	.59	.67	.76	.85	.93	1.0																													
8	0	153	496	.308	.48	.55	.62	.71	.79	.86	.93	1.0																												
9	0	144	496	.290	.45	.51	.59	.66	.74	.81	.87	.94	1.0																											
10	0	135	496	.272	.42	.48	.55	.62	.70	.76	.82	.88	.94	1.0																										
11	0	126	496	.254	.39	.45	.51	.58	.65	.71	.76	.82	.88	.93	1.0																									
12	1	117	496	.236	.37	.42	.48	.54	.60	.66	.71	.76	.81	.87	.93	1.0																								
13	0	108	496	.218	.34	.39	.44	.50	.56	.61	.65	.71	.75	.80	.86	.92	1.0																							
14	1	100	496	.202	.31</																																			

i N_{ri} N_i N P_i P_c

Table B.12.065

Conditional probabilities of the maximum wind speed
of less than 65 mps in the 10-15 km layer over Cape
Kennedy, Florida in December.
The period of record is 1956-1963.

i : Number of 12-hour periods in the run
N_{ri} : Number of runs of exact length i
N_i : Number of runs equal to or greater than i
N : Total number of observations
P_i : The probability of a run of length i
P_c : Conditional probabilities
j : Number of periods to be added to i

1	1	446	.899	1.0
2	2	423	.853	.95 1.0
3	3	400	.806	.90 .95 1.0
4	5	379	.764	.85 .90 .95 1.0
5	0	361	.728	.81 .85 .90 .95 1.0
6	1	347	.700	.78 .82 .87 .92 .95 1.0
7	2	333	.671	.75 .79 .83 .88 .92 .96 1.0
8	1	319	.643	.72 .75 .80 .84 .88 .92 .96 1.0
9	1	306	.617	.69 .72 .77 .81 .85 .88 .92 .96 1.0
10	1	294	.593	.66 .70 .74 .78 .81 .85 .88 .92 .96 1.0
11	1	283	.571	.63 .67 .71 .75 .78 .82 .85 .89 .92 .95 1.0
12	1	273	.550	.61 .65 .68 .72 .76 .79 .82 .86 .89 .93 .96 1.0
13	0	264	.532	.59 .62 .66 .70 .73 .76 .79 .83 .86 .90 .93 .97 1.0
14	0	256	.516	.57 .61 .64 .68 .71 .74 .77 .80 .84 .87 .90 .94 .97 1.0
15	0	248	.500	.56 .59 .62 .65 .67 .71 .74 .78 .81 .84 .88 .91 .94 .97 1.0
16	0	240	.484	.54 .57 .60 .63 .66 .69 .72 .75 .78 .82 .85 .88 .91 .94 .97 1.0
17	0	232	.468	.52 .55 .58 .61 .64 .67 .70 .73 .76 .79 .82 .85 .88 .91 .94 .97 1.0
18	0	224	.452	.50 .53 .56 .59 .62 .65 .67 .70 .73 .76 .79 .82 .85 .88 .90 .93 .97 1.0
19	0	216	.435	.48 .51 .54 .57 .60 .62 .65 .68 .71 .73 .76 .79 .82 .84 .87 .90 .93 .96 1.0
20	0	208	.419	.47 .49 .52 .55 .58 .60 .62 .65 .68 .71 .73 .76 .79 .81 .84 .87 .90 .93 .96 1.0
21	0	200	.403	.45 .47 .50 .53 .55 .58 .60 .63 .65 .68 .71 .73 .76 .78 .81 .83 .86 .89 .93 .96 1.0
22	1	192	.387	.43 .45 .48 .51 .53 .55 .58 .60 .63 .65 .68 .70 .73 .75 .77 .80 .83 .86 .89 .92 .96 1.0
23	0	184	.371	.41 .43 .46 .49 .51 .53 .55 .58 .60 .63 .65 .67 .70 .72 .74 .77 .79 .82 .85 .88 .92 .96 1.0
24	0	177	.357	.40 .42 .44 .47 .49 .51 .53 .55 .58 .60 .63 .65 .67 .69 .71 .74 .76 .79 .82 .85 .89 .92 .96 1.0
25	0	169	.341	.38 .40 .42 .45 .47 .49 .51 .53 .55 .57 .60 .62 .64 .66 .68 .70 .73 .75 .78 .81 .85 .88 .92 .95 1.0
26	0	161	.325	.36 .38 .40 .42 .45 .46 .48 .50 .53 .55 .57 .59 .61 .63 .65 .67 .69 .72 .75 .77 .81 .84 .88 .91 .95 1.0
27	0	153	.308	.34 .36 .38 .40 .42 .44 .46 .48 .50 .52 .54 .56 .58 .60 .62 .64 .66 .68 .71 .74 .77 .80 .83 .86 .91 .95 1.0
28	0	145	.292	.33 .34 .36 .38 .40 .42 .44 .45 .47 .49 .51 .53 .55 .57 .58 .60 .63 .65 .67 .70 .73 .76 .79 .82 .86 .90 .95 1.0
29	0	137	.276	.31 .32 .34 .36 .38 .39 .41 .43 .45 .47 .48 .50 .52 .54 .55 .57 .59 .61 .63 .66 .69 .71 .74 .77 .81 .85 .90 .94 1.0
30	0	129	.260	.29 .30 .32 .34 .36 .37 .39 .40 .42 .44 .46 .47 .49 .50 .52 .54 .56 .58 .60 .62 .65 .67 .70 .73 .76 .80 .84 .89 .94
31	0	121	.244	.27 .29 .30 .32 .34 .35 .36 .38 .40 .41 .43 .44 .46 .47 .49 .50 .52 .54 .56 .58 .61 .63 .66 .68 .72 .75 .79 .83 .88
32	0	113	.228	.25 .27 .28 .30 .31 .33 .34 .35 .37 .38 .40 .41 .43 .44 .46 .47 .49 .50 .52 .54 .57 .59 .61 .64 .67 .70 .74 .78 .82
33	1	105	.212	.24 .25 .26 .28 .29 .30 .32 .33 .34 .36 .37 .38 .40 .41 .42 .44 .45 .47 .49 .50 .53 .55 .57 .59 .62 .65 .69 .72 .77
34	1	97	.196	.22 .23 .24 .26 .27 .28 .29 .30 .32 .33 .34 .36 .37 .38 .39 .40 .42 .43 .45 .47 .49 .51 .53 .55 .57 .60 .63 .67 .71
35	1	90	.181	.20 .21 .23 .24 .25 .26 .27 .28 .29 .31 .32 .33 .34 .35 .36 .38 .39 .40 .42 .43 .45 .47 .49 .51 .53 .56 .59 .62 .66
36	2	84	.169	.19 .20 .21 .22 .23 .24 .25 .26 .27 .29 .30 .31 .32 .33 .34 .35 .36 .38 .39 .40 .42 .44 .46 .47 .50 .52 .55 .58 .61
37	1	79	.159	.18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .35 .37 .38 .40 .41 .43 .45 .47 .49 .52 .54 .58
38	0	76	.153	.17 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .35 .37 .38 .40 .41 .43 .45 .47 .50 .52 .55
39	0	74	.149	.17 .17 .19 .20 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .34 .36 .37 .39 .40 .42 .44 .46 .48 .51 .54
40	0	72	.145	.16 .17 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .33 .35 .36 .38 .39 .41 .43 .45 .47 .50 .53
41	0	70	.141	.16 .17 .18 .18 .19 .20 .21 .22 .23 .24 .25 .26 .27 .27 .28 .29 .30 .31 .32 .34 .35 .36 .38 .40 .41 .43 .46 .48 .51
42	0	68	.137	.15 .16 .17 .18 .19 .20 .20 .21 .22 .23 .24 .25 .26 .27 .27 .28 .29 .30 .31 .33 .34 .35 .37 .38 .40 .42 .44 .47 .50
43	0	65	.131	.15 .15 .16 .17 .18 .19 .20 .20 .21 .22 .23 .24 .25 .25 .26 .27 .28 .29 .30 .31 .33 .34 .35 .37 .38 .40 .42 .45 .47
44	0	62	.125	.14 .15 .16 .16 .17 .18 .19 .19 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .31 .32 .34 .35 .37 .39 .41 .43 .45
45	0	59	.119	.13 .14 .15 .16 .16 .17 .18 .18 .19 .20 .21 .22 .22 .23 .24 .25 .25 .26 .27 .28 .30 .31 .32 .33 .35 .37 .39 .41 .43
46	0	56	.113	.13 .13 .14 .15 .16 .16 .17 .18 .18 .19 .20 .21 .21 .22 .23 .24 .25 .26 .27 .28 .29 .30 .32 .33 .35 .37 .39 .41
47	0	53	.107	.12 .13 .13 .14 .15 .15 .16 .17 .17 .18 .19 .19 .20 .21 .21 .22 .23 .24 .25 .25 .27 .28 .29 .30 .31 .33 .35 .37 .39
48	0	50	.101	.11 .12 .13 .13 .14 .14 .15 .16 .16 .17 .18 .18 .19 .20 .20 .21 .22 .22 .23 .24 .25 .26 .27 .28 .30 .31 .33 .34 .36
49	1	47	.095	.11 .11 .12 .12 .13 .14 .14 .15 .15 .16 .17 .17 .18 .18 .19 .20 .20 .21 .22 .23 .24 .25 .26 .27 .28 .29 .31 .32 .34
50	0	44	.089	.10 .10 .11 .12 .12 .13 .13 .14 .14 .15 .16 .16 .17 .17 .18 .18 .19 .20 .20 .21 .22 .23 .24 .25 .26 .27 .29 .30 .32
51	1	42	.085	.09 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .18 .18 .19 .19 .20 .21 .22 .23 .24 .25 .26 .27 .29 .31
52	0	40	.081	.09 .09 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .17 .18 .19 .19 .20 .21 .22 .23 .24 .25 .26 .28 .29
53	0	39	.079	.09 .09 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .17 .18 .19 .20 .20 .21 .22 .23 .24 .25 .27 .28
54	0	38	.077	.09 .09 .10 .10 .11 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .18 .18 .19 .20 .21 .21 .22 .24 .25 .26 .28
55	0	37	.075	.08 .09 .09 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .14 .15 .15 .16 .17 .17 .18 .19 .19 .20 .21 .22 .23 .24 .25 .27
56	0	36	.073	.08 .09 .09 .09 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .17 .18 .19 .20 .20 .21 .22 .24 .25 .26
57	0	35	.071	.08 .08 .09 .09 .10 .10 .11 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .18 .18 .19 .20 .21 .22 .23 .24 .26
58	0	34	.069	.08 .08 .09 .09 .09 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .16 .17 .18 .18 .19 .20 .21 .22 .23 .25
59	0	33	.067	.07 .08 .08 .09 .09 .10 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .17 .17 .18 .19 .20 .20 .22 .23 .24
60	0	32	.065	.07 .08 .08 .08 .09 .09 .10 .10 .10 .11 .11 .12 .12 .13 .13 .14 .14 .15 .15 .16 .17 .17 .18 .19 .20 .21 .22 .23
61	0	31	.063	.07 .07 .08 .08 .09 .09 .09 .10 .10 .11 .11 .11 .12 .12 .13 .13 .14 .14 .15 .16 .16 .17 .18 .18 .19 .20 .21 .23
62	0	30	.060	.07 .07 .08 .08 .09 .09 .09 .10 .10 .10 .11 .11 .11 .12 .12 .13 .13 .14 .14 .15 .16 .16 .17 .18 .19 .20 .21 .22

j=0

j=1

j=2

j=3

j=4

j=5

j=10

j=20

j=30

i	N_{R_i}	N_i	N	P_i	P_c	Table B.12.075	Conditional probabilities of the maximum wind speed of less than 75 mps in the 10-15 km layer over Cape Kennedy, Florida in December. The period of record is 1956-1963.																								
1	0	480	496	.968	1.0																										
2	1	471	496	.950	.98	1.0																									
3	0	462	496	.931	.96	.98	1.0																								
4	1	454	496	.915	.95	.96	.98	1.0																							
5	0	446	496	.899	.93	.95	.97	.98	1.0																						
6	0	438	496	.883	.91	.93	.95	.96	.98	1.0																					
7	0	430	496	.867	.90	.91	.93	.95	.96	.98	1.0																				
8	1	422	496	.851	.88	.90	.91	.93	.95	.96	.98	1.0																			
9	0	414	496	.835	.86	.88	.90	.91	.93	.95	.96	.98	1.0																		
10	0	407	496	.821	.85	.86	.88	.90	.91	.93	.95	.96	.98	1.0																	
11	0	400	496	.806	.83	.85	.87	.88	.90	.91	.93	.95	.97	.98	1.0																
12	0	393	496	.792	.82	.83	.85	.87	.88	.90	.91	.93	.95	.97	.98	1.0															
13	1	386	496	.778	.80	.82	.84	.85	.87	.88	.90	.91	.93	.95	.97	.98	1.0														
14	0	379	496	.764	.79	.80	.82	.83	.85	.87	.88	.90	.92	.93	.95	.96	.98	1.0													
15	0	373	496	.752	.78	.79	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.98	1.0												
16	0	366	496	.738	.76	.78	.79	.81	.82	.84	.85	.87	.88	.90	.92	.93	.95	.97	.98	1.0											
17	0	359	496	.724	.75	.76	.78	.79	.80	.82	.83	.85	.87	.88	.90	.91	.93	.95	.96	.98	1.0										
18	0	352	496	.710	.73	.75	.76	.78	.79	.80	.82	.83	.85	.86	.88	.90	.91	.93	.94	.96	.98	1.0									
19	0	345	496	.696	.72	.73	.75	.76	.77	.79	.80	.82	.83	.85	.86	.88	.89	.91	.92	.94	.96	.98	1.0								
20	0	338	496	.681	.70	.72	.73	.74	.76	.77	.79	.80	.82	.83	.85	.86	.88	.89	.91	.92	.94	.96	.98	1.0							
21	0	331	496	.667	.69	.70	.72	.73	.74	.76	.77	.78	.80	.81	.83	.84	.86	.87	.89	.90	.92	.94	.96	.98	1.0						
22	1	324	496	.653	.68	.69	.70	.71	.73	.74	.75	.77	.78	.80	.81	.82	.84	.85	.87	.89	.90	.92	.94	.96	.98	1.0					
23	0	317	496	.639	.66	.67	.69	.70	.71	.72	.74	.75	.77	.78	.79	.81	.82	.84	.85	.87	.88	.90	.92	.94	.96	.98	1.0				
24	0	311	496	.627	.65	.66	.67	.69	.70	.71	.72	.74	.75	.76	.78	.79	.81	.82	.83	.85	.87	.88	.90	.92	.94	.96	.98	1.0			
25	0	305	496	.615	.64	.65	.66	.67	.68	.70	.71	.72	.74	.75	.76	.78	.79	.80	.82	.83	.85	.87	.88	.90	.92	.94	.96	.98	1.0		
26	0	298	496	.601	.62	.63	.65	.66	.67	.68	.69	.71	.72	.73	.75	.76	.77	.79	.80	.81	.83	.85	.86	.88	.90	.92	.94	.96	.98	1.0	
27	0	291	496	.587	.61	.62	.63	.64	.65	.66	.68	.69	.70	.71	.73	.74	.75	.77	.78	.80	.81	.83	.84	.86	.88	.90	.92	.94	.96	.98	1.0
28	0	284	496	.573	.59	.60	.61	.63	.64	.65	.66	.67</																			

[illegible]